

NM75035
1104D-44TA

NM75035
2010/07/19

The information given within this parts book was correct at the time of printing and is subject to change without notice. Always refer to your local Perkins outlet for the latest information. Only fully trained personnel should carry out servicing of engines. Before working on any engine always refer to the correct user service and maintenance manual.

Always refer to your local Perkins outlet before purchasing any parts

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Introduction

The build list of your engine, found on the front page of this parts book, provides a unique reference to the components fitted to your engine; therefore this parts book is only applicable to this particular engine

Always quote your build list and engine serial number when contacting your Perkins outlet.

How to use your Parts Book

This parts book has been designed to provide you with all the information you need to identify parts to service your engine. There are several features within the book to make it easy to find the parts you require.

Front Page

This lists your build list number and the date of publication of this book

Symbol Descriptions

Provides a quick reference guide to the symbols used within the book.

Engine Breakdown

Use this to identify all the major sections of your engine and the relevant pages within the book.

Parts Lists & Illustrations

This section shows each major section of your engine broken down into individual part numbers along with an associated illustration for identifying the parts you require.

The illustrations used in this parts book are representational only and should only be used for identification purposes.

For fitting instructions please refer to your engine Service Manual.

Parts Index

Using either the part number or description of the part you require this section will help you locate the page within the **Parts Lists & Illustrations** section where the part appears.

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Engine Breakdown

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

















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Engine Breakdown

Symbols and Notes

| Symbol | Description |
|-------------------------------------------------------------------------------------|--------------------------------------------|
|  | From Engine Number |
|  | Upto Engine Number |
|  | Repairs and Replaces |
|  | See Appropriate Section - Reference Number |
|  | Alternative |
|  | Order |
|  | Remanufactured Part |
|  | New for Old Part |
|  | Number of Teeth |
|  | Thickness |
|  | Bottom |
|  | Top |
|  | Left Hand |
|  | Right Hand |
|  | Reference for Detailed Breakdown |
|  | Other Service Options Available |
|  | Cylinder Number |
|  | See History Section |

AAAAAANM

Recommended stocking and service lists

Perkins provides Recommended stocking and service lists, for Distributor use when recommending parts stocks for Dealers, preferred customers (eg fleets) etc. These lists are based on agreed workshop capability and are at three distinct levels:

Level 1 - Service

The Level 1 workshop has the ability to perform basic non-intrusive maintenance on Perkins engines.

Listes recommandées pour le stock et la maintenance

Perkins fournit des listes recommandées pour le stock et la maintenance afin d'aider le Distributeur dans ses conseils aux Agents, aux clients habituels, etc.. Ces listes sont basées sur le niveau technique des Ateliers avec trois niveaux distincts :

Niveau 1- Maintenance

L'atelier de niveau 1 est capable d'exécuter l'entretien de base des moteurs Perkins (sans démontage).

Empfohlene Lagerbestands- und Servicelisten

Perkins stellt empfohlene Lagerbestands- und Servicelisten bereit, welche die Vertragshändler verwenden können, um Händlern und Kunden (z.B. Fuhrparks) einen bestimmten Ersatzteilbestand zu empfehlen. Diese Listen basieren auf den vereinbarten Werkstofffähigkeiten, welche in die folgenden drei Stufen unterteilt werden:

Stufe 1 - Service

Werkstätten der Stufe 1 können grundlegende und einfache Wartungsarbeiten an Perkins-Motoren ohne Spezialwerkzeug durchführen.

Listas de servicio y de stock recomendadas

Perkins proporciona Listas de servicio y de stock recomendadas, para que las use el Distribuidor al recomendar stocks de repuestos a los Distribuidores, a los clientes preferidos (por ejemplo, flotas), etc. Estas listas se basan en capacidad del taller acordada y se dividen en tres niveles diferentes:

Nivel 1 - Servicio

El taller del Nivel 1 puede llevar a cabo un mantenimiento no intrusivo en los motores Perkins.

Elenco parti consigliate ad uso stock ed assistenza

Perkins fornisce ai distributori un elenco di parti consigliate ad uso stock ed assistenza; ciò per soddisfare le richieste dei dealers, clienti preferenziali ecc. Questi elenchi tengono in considerazione la capacità operativa concordata con l'officina e sono distinti in tre livelli

Livello 1 - Assistenza

Il livello 1 prevede che l'officina sia in grado di operare in maniera basilare sui motori Perkins.

| Level 1 - Service | | | | | Plate A |
|-------------------|----------|------------|----------|-------------------|---------|
| | | | AAAAAANM | | |
| Item | Part No. | References | Qty. | Description | Notes |
| 1 | | | 1 | LEVEL 1 - SERVICE | |

AAAAAANM

Recommended stocking and service lists

Perkins provides Recommended stocking and service lists, for Distributor use when recommending parts stocks for Dealers, preferred customers (eg fleets) etc. These lists are based on agreed workshop capability and are at three distinct levels:

Level 2 - Repair

The Level 2 workshop has the ability to perform maintenance service, and inspection service on Perkins engines.

Listes recommandées pour le stock et la maintenance

Perkins fournit des listes recommandées pour le stock et la maintenance afin d'aider le Distributeur dans ses conseils aux Agents, aux clients habituels, etc.. Ces listes sont basées sur le niveau technique des Ateliers avec trois niveaux distincts :

Niveau 2 - Maintenance & reparation

L'atelier de niveau 2 est capable d'exécuter toutes les opérations d'entretien, la réparation des composants externes (démarrateur, alternateur, etc) et le diagnostic pour les problèmes touchant à l'électronique

Empfohlene Lagerbestands- und Servicelisten

Perkins stellt empfohlene Lagerbestands- und Servicelisten bereit, welche die Vertragshändler verwenden können, um Händlern und Kunden (z.B. Fuhrparks) einen bestimmten Ersatzteilbestand zu empfehlen. Diese Listen basieren auf den vereinbarten Werkstattfähigkeiten, welche in die folgenden drei Stufen unterteilt werden:

Stufe 2 - Reparatur

Werkstätten der Stufe 2 können Instandsetzungs- und Inspektionsarbeiten an Perkins-Motoren durchführen.

Listas de servicio y de stock recomendadas

Perkins proporciona Listas de servicio y de stock recomendadas, para que las use el Distribuidor al recomendar stocks de repuestos a los Distribuidores, a los clientes preferidos (por ejemplo, flotas), etc. Estas listas se basan en capacidad del taller acordada y se dividen en tres niveles diferentes:

Nivel 2 - Reparación

El taller de Nivel 2 puede llevar a cabo el servicio de mantenimiento y el servicio de inspección en los motores Perkins.

Elenco parti consigliate ad uso stock ed assistenza

Perkins fornisce ai distributori un elenco di parti consigliate ad uso stock ed assistenza; ciò per soddisfare le richieste dei dealers, clienti preferenziali ecc. Questi elenchi tengono in considerazione la capacità operativa concordata con l'officina e sono distinti in tre livelli :

Livello 2 - Riparazione

Nel livello 2 l'officina è in grado di svolgere la manutenzione e di fare controlli di assistenza sui motori Perkins.

| Level 2 - Repair | | | | Plate A | |
|------------------|----------|------------|------|------------------|-------|
| | | | | AAAAAANM | |
| Item | Part No. | References | Qty. | Description | Notes |
| 1 | | | 1 | LEVEL 2 - REPAIR | |

| | |
|--------------------|----------|
| Level 3 - Overhaul | Plate A |
| | AAAAAANM |

Recommended stocking and service lists

Perkins provides Recommended stocking and service lists, for Distributor use when recommending parts stocks for Dealers, preferred customers (eg fleets) etc. These lists are based on agreed workshop capability and are at three distinct levels:

Level 3 - Overhaul.

The Level 3 workshop has the ability to perform complete service work on Perkins engines. Can repair and fully overhaul engine, including engine test. Can perform all levels of electronics diagnosis and application related faults.

Listes recommandées pour le stock et la maintenance

Perkins fournit des listes recommandées pour le stock et la maintenance afin d'aider le Distributeur dans ses conseils aux Agents, aux clients habituels, etc.. Ces listes sont basées sur le niveau technique des Ateliers avec trois niveaux distincts :

Niveau 3 - Maintenance, reparation & refecton

L' atelier de niveau 3 est capable de couvrir toutes les opérations d'entretien des moteurs Perkins. Il peut aussi réparer et entièrement refaire des moteurs ainsi que les tester. Il est capable d'effectuer un diagnostic pour les problèmes touchant à l'electronique et aux applications.

Empfohlene Lagerbestands- und Servicelisten

Perkins stellt empfohlene Lagerbestands- und Servicelisten bereit, welche die Vertragshändler verwenden können, um Händlern und Kunden (z.B. Fuhrparks) einen bestimmten Ersatzteilbestand zu empfehlen. Diese Listen basieren auf den vereinbarten Werkstofffähigkeiten, welche in die folgenden drei Stufen unterteilt werden:

Stufe 3 - Überholung

Werkstätten der Stufe 3 können umfassende Servicearbeiten an Perkins-Motoren durchführen. Sie können Motoren reparieren und komplett überholen und außerdem Motorprüfungen durchführen. Sie können umfassende elektronische Diagnoseprüfungen durchführen und anwendungsspezifische Störungen untersuchen.

Listas de servicio y de stock recomendadas

Perkins proporciona Listas de servicio y de stock recomendadas, para que las use el Distribuidor al recomendar stocks de repuestos a los Distribuidores, a los clientes preferidos (por ejemplo, flotas), etc. Estas listas se basan en capacidad del taller acordada y se dividen en tres niveles diferentes:

Nivel 3 - Reparación general

El taller de Nivel 3 puede llevar a cabo un trabajo de servicio completo en los motores Perkins. Puede reparar y reacondicionar completamente un motor, incluyendo probar el motor. Puede llevar a cabo todos los niveles de diagnóstico electrónico y las fallas relacionadas con la aplicación.

Elenco parti consiglate ad uso stock ed assistenza

Perkins fornisce ai distributori un elenco di parti consiglate ad uso stock ed assistenza; ciò per soddisfare le richieste dei dealers, clienti preferenziali ecc. Questi elenchi tengono in considerazione la capacità operativa concordata con l'officina e sono distinti in tre livelli :

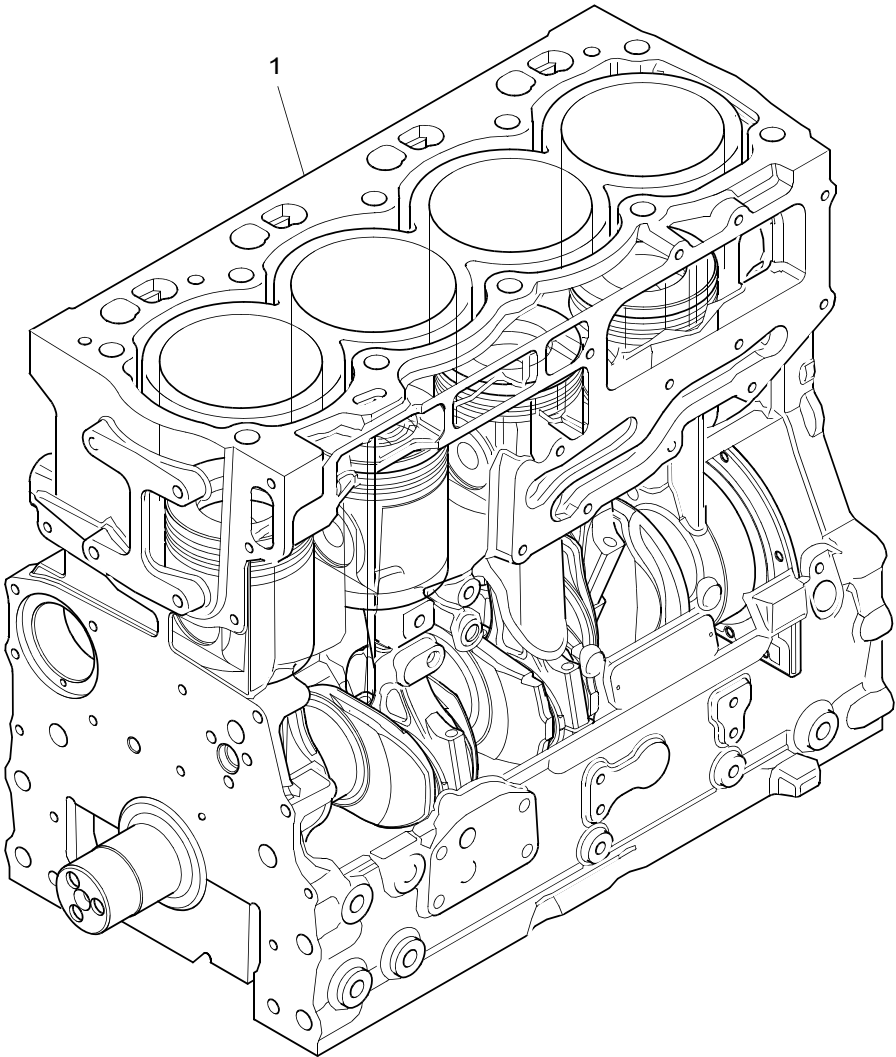
Livello 3 - Revisione

Nel livello 3 l'officina è in grado di svolgere lavori di assistenza completi sui motori Perkins. E' in grado di riparare e svolgere una revisione completa del motore, incluso le prove. Può anche effettuare diagnosi sull' elettronica a tutti i livelli e sui relativi difetti nelle applicazioni.

| | | | | | |
|--------------------|----------|------------|----------|--------------------|---------|
| Level 3 - Overhaul | | | | | Plate A |
| | | | AAAAAANM | | |
| Item | Part No. | References | Qty. | Description | Notes |
| 1 | | | 1 | LEVEL 3 - OVERHAUL | |

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ACE40009



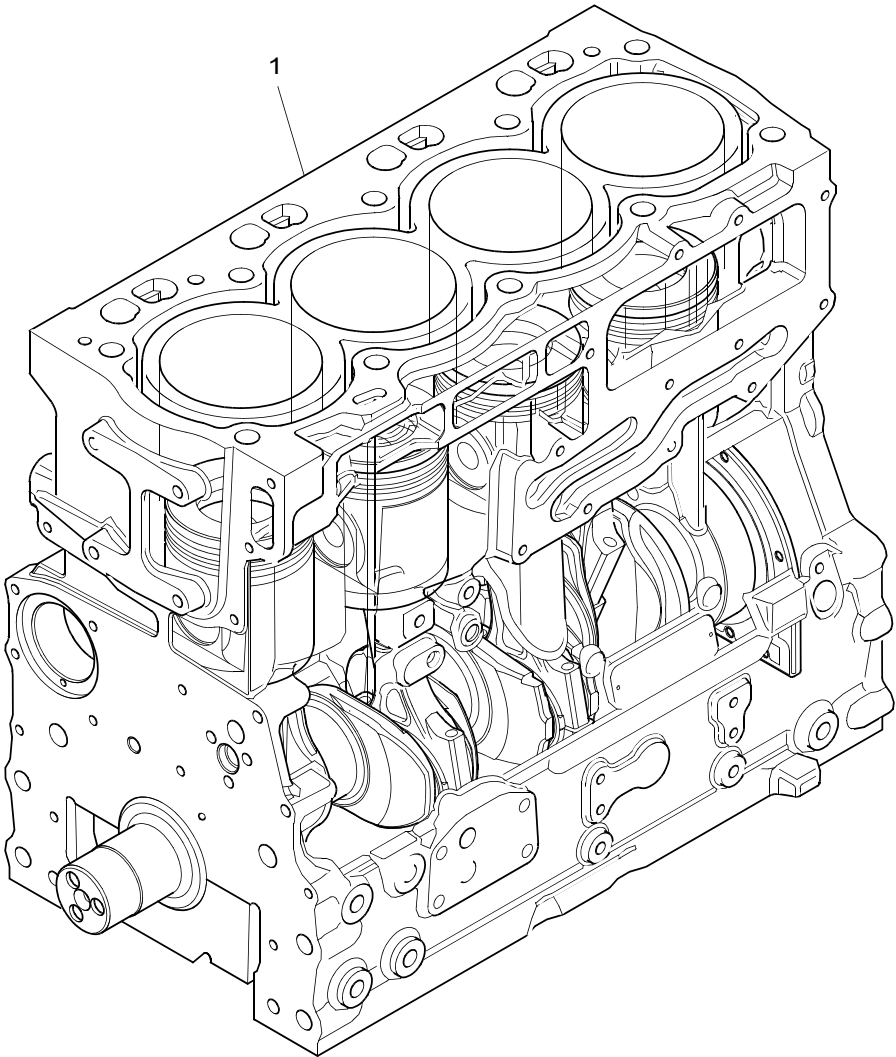
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ACE40009

| Item | Part No. | References | Qty. | Description | Notes |
|------|-----------|------------------------|------|--------------------------|-------|
| 1 | NM40009 | | 1 | SHORT ENGINE - ASSEMBLY | |
| 2 | —ZZ50322 | | 1 | CYLINDER BLOCK ASSEMBLY | |
| 3 | — | ⇒ ZZ50322 ⇒ ZZ50311 | 1 | CYLINDER BLOCK | |
| 4 | — | ⇒ ZZ50322 ⇒ ZZ50311 | 1 | BEARING CAP | |
| 5 | — | ⇒ ZZ50322 ⇒ ZZ50311 | 2 | BEARING CAP | |
| 6 | — | ⇒ ZZ50322 ⇒ ZZ50311 | 1 | BEARING CAP | |
| 7 | — | ⇒ ZZ50322 ⇒ ZZ50311 | 1 | BEARING CAP | |
| 8 | —33142111 | | 10 | THIMBLE | |
| 9 | —32166329 | | 10 | SCREW | |
| 10 | —3112D071 | | 1 | CAMSHAFT BUSH | |
| 11 | —3241A011 | | 2 | PLUG | |
| 12 | —3241A012 | | 1 | PLUG | |
| 13 | —0650588 | | 1 | PLUG | |
| 14 | —0650710 | | 1 | PLUG | |
| 15 | —32141316 | | 2 | PLUG | |
| 16 | —3212P008 | | 1 | PLUG | |
| 17 | —3244A009 | | 2 | DOWEL | |
| 18 | —2314C049 | | 1 | SCREW | |
| 19 | —2415D053 | | 1 | WASHER | |
| 20 | —0650594 | | 1 | PLUG | |
| 21 | —2113A003 | | 4 | PISTON COOLING JET | |
| 22 | —2314F001 | | 4 | SCREW | |
| 23 | —3623A009 | | 1 | BLANKING PLATE | |
| 24 | —3688A039 | | 1 | GASKET - OIL FILTER HEAD | |
| 25 | —2314H033 | | 4 | SCREW | |
| 26 | —2418F704 | | 1 | SEAL - REOS HOUSING | |
| 27 | —3211C002 | | 10 | METRIC BOLT | |
| 28 | —3627P041 | | 1 | BRIDGE PIECE | |
| 29 | —2311D039 | | 2 | SCREW | |
| 30 | —ZZ90222 | Ⓢ | 1 | CRANKSHAFT KIT | |
| 31 | — | ⇒ ZZ90222 | 1 | CRANKSHAFT | |
| 32 | —U5MB0018 | Ⓢ | 1 | MAIN BEARING KIT | |
| 33 | —U5ME0026 | Ⓢ | 1 | BIG END BEARING KIT | |
| 34 | —31137551 | Ⓢ | 2 | THRUST WASHER | |
| 35 | —31137561 | Ⓢ | 2 | THRUST WASHER | |
| 36 | —0500012 | | 1 | WOODRUFF KEY | |
| 37 | —U5PR0062 | | 4 | PISTON AND RING KIT | |
| 38 | — | ⇒ U5PR0062 | 1 | PISTON | |
| 39 | — | ⇒ U5PR0062 | 1 | GUDGEON PIN | |
| 40 | —UPRK0005 | | 1 | PISTON RING KIT | |
| 41 | —2721332 | | 2 | CIRCLIP | |
| 42 | — | Ⓢ | 4 | CONROD KIT | |
| 43 | — | ⇒ SERVICE OPTION | 1 | CON ROD | |
| 44 | — | ⇒ SERVICE OPTION | 1 | CAP | |

→ U056074T

ACE40009

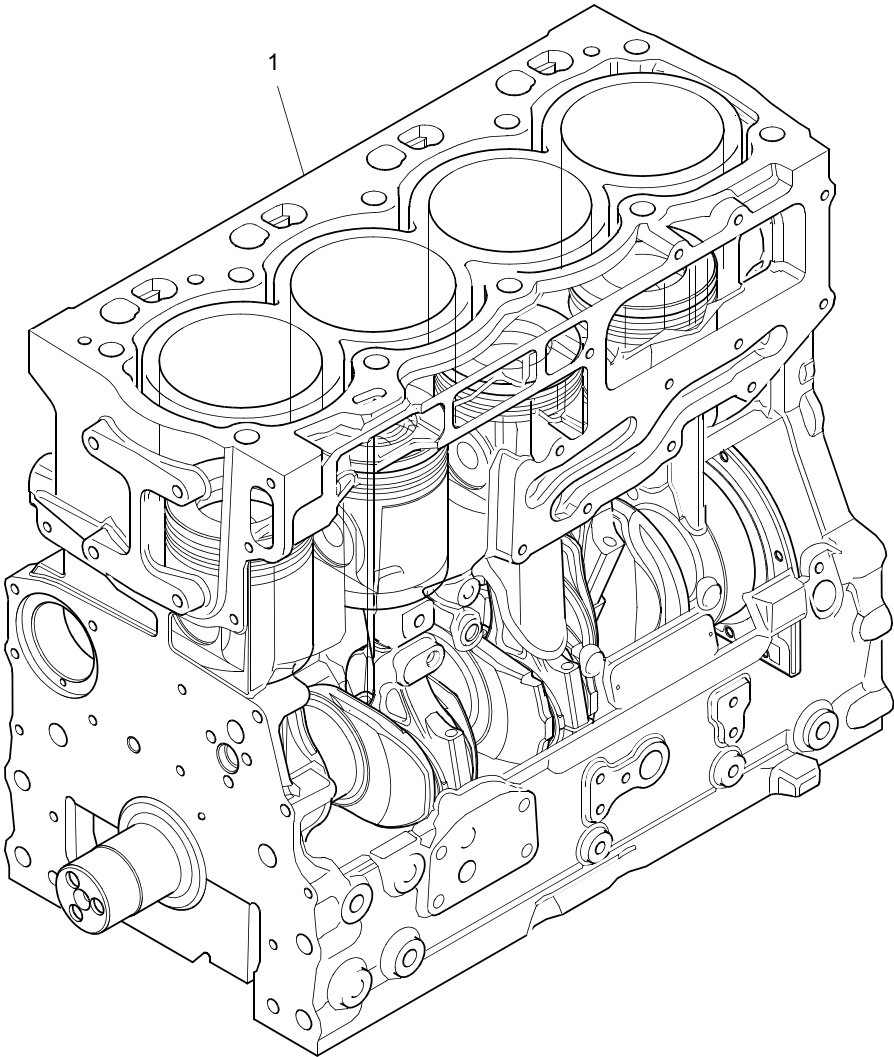


| | | |
|---------------------|--|----------------|
| Short Engine | | Plate A |
| → U056074T | | ACE40009 |

| Item | Part No. | References | Qty. | Description | Notes |
|------------------------|----------------------------|--------------------------|------|---------------------------|---------|
| 45 | 3112A005 | | 1 | SMALL END BUSH | |
| 46 | 3212V003 | | 2 | CON ROD BOLT | (A) |
| Service Options | | | | | |
| 30 | ZZ90222P | | 1 | CRANKSHAFT KIT - EXCHANGE | |
| 32 | U5MB0018A | $\frac{+}{-}$ (+) 0.010" | 1 | MAIN BEARING KIT - U/S | |
| 32 | U5MB0018B | $\frac{+}{-}$ (+)0.020" | 1 | MAIN BEARING KIT - U/S | |
| 32 | U5MB0018C | $\frac{+}{-}$ (+) 0.030" | 1 | MAIN BEARING KIT - U/S | |
| 33 | U5ME0026A | $\frac{+}{-}$ (+) 0.25MM | 1 | BIG END BRG KIT - U/S | |
| 33 | U5ME0026B | $\frac{+}{-}$ (+) 0.50MM | 1 | BIG END BRG KIT - U/S | |
| 33 | U5ME0026C | $\frac{+}{-}$ (+)0.75MM | 1 | BIG END BRG KIT - U/S | |
| 34 | 31137312 | $\frac{+}{-}$ (+)0.007" | 2 | THRUST WASHER | |
| 35 | 31137322 | $\frac{+}{-}$ (+)0.007" | 2 | THRUST WASHER | |
| 42 | 4115C311 | | 4 | CON ROD ASSEMBLY | GRADE F |
| 42 | 4115C312 | | 4 | CON ROD ASSEMBLY | GRADE G |
| 42 | 4115C313 | | 4 | CON ROD ASSEMBLY | GRADE H |
| 42 | 4115C314 | | 4 | CON ROD ASSEMBLY | GRADE J |
| 42 | 4115C315 | | 4 | CON ROD ASSEMBLY | GRADE K |
| 42 | 4115C316 | | 4 | CON ROD ASSEMBLY | GRADE L |
| Footnotes | | | | | |
| (A) | DO NOT RE-USE ONCE REMOVED | | | | |

↳ U056075T

ACE40020



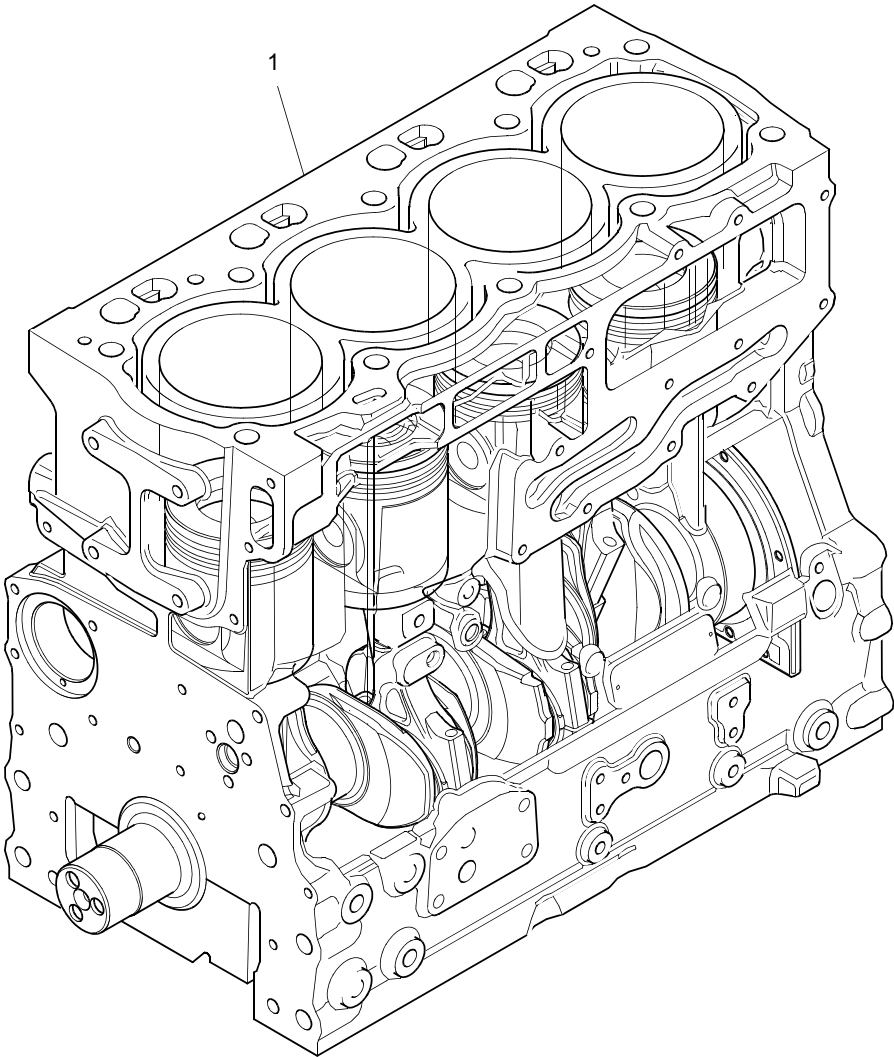
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ACE40020

| Item | Part No. | References | Qty. | Description | Notes |
|------------------------|-----------|------------------|------|--------------------------|--------------------|
| 1 | NM40020 | | 1 | SHORT ENGINE - ASSEMBLY | |
| 2 | —ZZ50324 | | 1 | CYLINDER BLOCK ASSEMBLY | |
| 3 | — | ⇒ ZZ50324 | 1 | CYLINDER BLOCK ASSEMBLY | |
| 4 | —2314C049 | | 1 | SCREW | |
| 5 | —2415D053 | | 1 | WASHER | |
| 6 | —0650594 | | 1 | PLUG | |
| 7 | —2113A003 | | 4 | PISTON COOLING JET | |
| 8 | —2314F001 | | 4 | SCREW | |
| 9 | —2485A108 | | 1 | PLUG | |
| 10 | —3212V006 | | 1 | PLUG | |
| 11 | —3623A009 | | 1 | BLANKING PLATE | |
| 12 | —3688A039 | | 1 | GASKET - OIL FILTER HEAD | |
| 13 | —2314H033 | | 4 | SCREW | |
| 14 | —2418F704 | | 1 | SEAL - REOS HOUSING | |
| 15 | —3211C002 | | 10 | METRIC BOLT | |
| 16 | —3627P041 | | 1 | BRIDGE PIECE | |
| 17 | —2311D039 | | 2 | SCREW | |
| 18 | —ZZ90237 | | 1 | CRANKSHAFT KIT | |
| 19 | — | ⇒ ZZ90237 | 1 | CRANKSHAFT | |
| 20 | —U5MB0033 | Ⓢ | 1 | MAIN BEARING KIT | |
| 21 | —T400002 | | 1 | BIG END BEARING KIT | |
| 22 | —31137551 | Ⓢ | 2 | THRUST WASHER | |
| 23 | —31137561 | Ⓢ | 2 | THRUST WASHER | |
| 24 | —U5PR0062 | | 4 | PISTON AND RING KIT | |
| 25 | — | ⇒ U5PR0062 | 1 | PISTON AND RING KIT | |
| 26 | —2721332 | | 2 | CIRCLIP | |
| 27 | — | Ⓢ | 4 | CON ROD | |
| 28 | — | ⇒ SERVICE OPTION | 1 | CON ROD | |
| 29 | —3112A005 | | 1 | SMALL END BUSH | |
| 30 | —T400001 | | 2 | CON ROD BOLT | (A) |
| 31 | —2485A109 | | 1 | PLUG | |
| 32 | —2314C049 | | 1 | SCREW | |
| 33 | —2415D053 | | 1 | WASHER | |
| 34 | —0650594 | | 1 | PLUG | |
| Service Options | | | | | |
| 20 | U5MB0033A | ⅜ (-)0.25MM | 1 | MAIN BEARING KIT - U/S | |
| 20 | U5MB0033B | ⅜ (-)0.50MM | 1 | MAIN BEARING KIT - U/S | |
| 20 | U5MB0033C | ⅜ (-)0.75MM | 1 | MAIN BEARING KIT - U/S | |
| 22 | 31137312 | ⅜ (+)0.007" | 2 | THRUST WASHER | |
| 23 | 31137322 | ⅜ (+)0.007" | 2 | THRUST WASHER | |
| 27 | 4115C361 | | X | CON ROD | (B) GRADE:R - RED |
| 27 | 4115C362 | | X | CON ROD | (C) GRADE:O - |
| 27 | 4115C363 | | X | CON ROD | (D) GRADE:W - |
| 27 | 4115C364 | | X | CON ROD | (E) GRADE:G - |
| 27 | 4115C365 | | X | CON ROD | (F) GRADE:P - PUR- |
| 27 | 4115C366 | | X | CON ROD | (G) GRADE:B - |

↳ U056075T

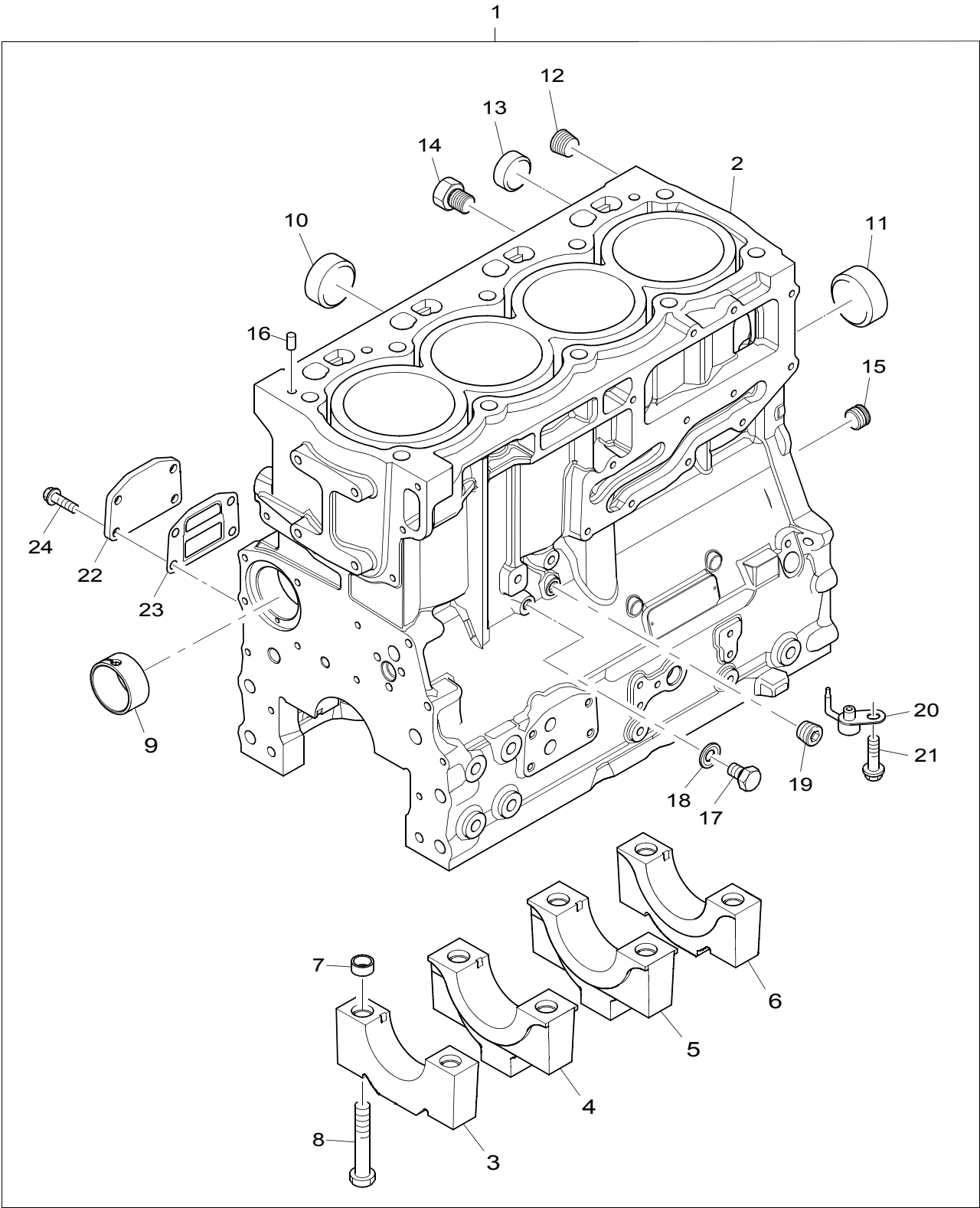
ACE40020




| | | |
|---------------------|--|-----------------|
| Short Engine | | Plate A |
| ↳ U056075T | | ACE40020 |

| Footnotes | |
|------------------|----------------------------|
| (A) | DO NOT RE-USE ONCE REMOVED |
| (B) | GRADE:R - RED |
| (C) | GRADE:O - ORANGE |
| (D) | GRADE:W - WHITE |
| (E) | GRADE:G - GREEN |
| (F) | GRADE:P - PURPLE |
| (G) | GRADE:B - BLUE |

ACHN0138



ACHN0138

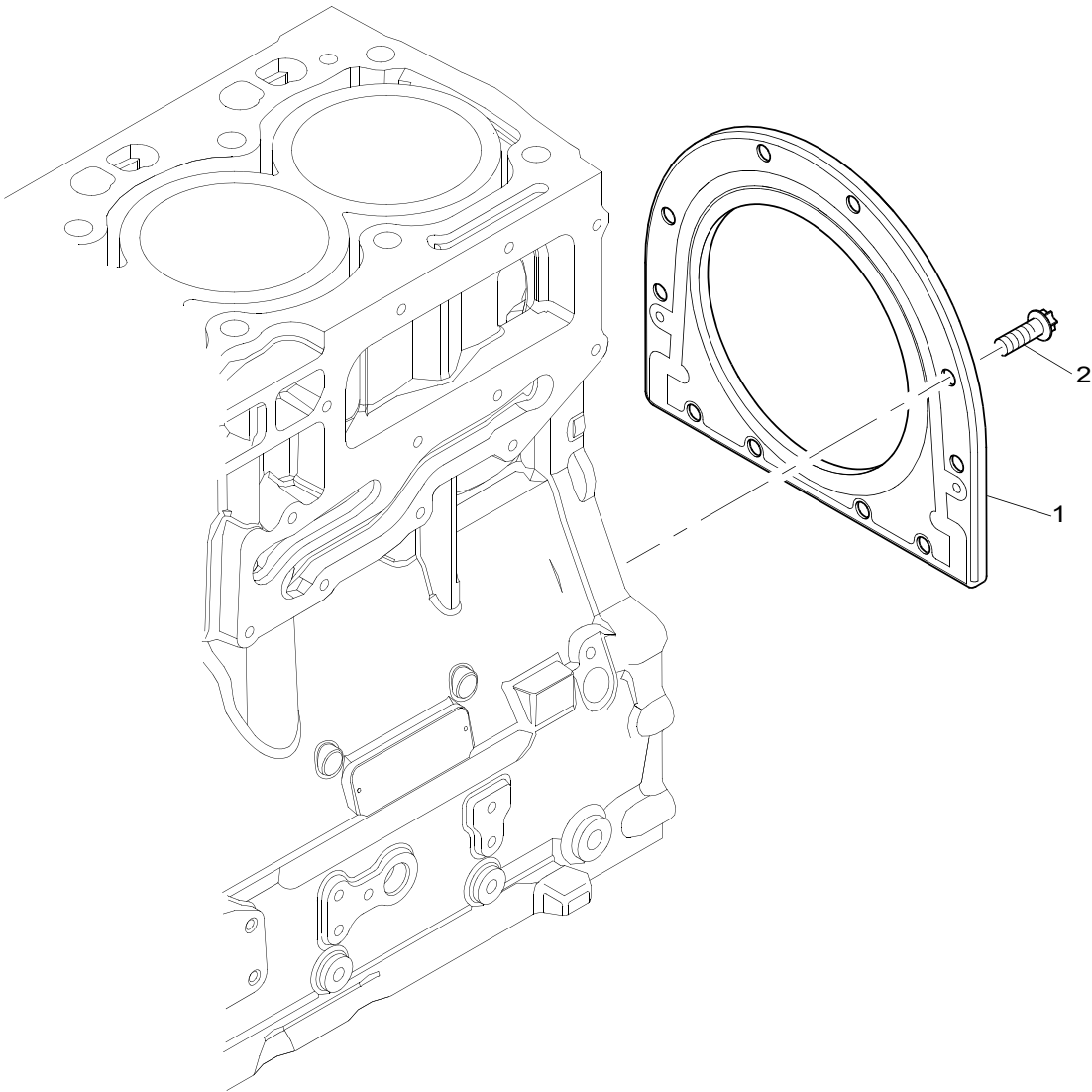
| Item | Part No. | References | Qty. | Description | Notes |
|------|-----------|--------------------------------------------------------------------------------------|------|--------------------------|-------|
| 1 | ZZ50322 |  a. | 1 | CYLINDER BLOCK ASSEMBLY | |
| 2 | — | ⇒ ZZ50322 | 1 | CYLINDER BLOCK | |
| | — | ⇒ ZZ50311 | | | |
| 3 | — | ⇒ ZZ50322 | 1 | BEARING CAP | |
| | — | ⇒ ZZ50311 | | | |
| 4 | — | ⇒ ZZ50322 | 2 | BEARING CAP | |
| | — | ⇒ ZZ50311 | | | |
| 5 | — | ⇒ ZZ50322 | 1 | BEARING CAP | |
| | — | ⇒ ZZ50311 | | | |
| 6 | — | ⇒ ZZ50322 | 1 | BEARING CAP | |
| | — | ⇒ ZZ50311 | | | |
| 7 | —33142111 | | 10 | THIMBLE | |
| 8 | —32166329 | | 10 | SCREW | |
| 9 | —3112D071 | | 1 | CAMSHAFT BUSH | |
| 10 | —3241A011 | | 2 | PLUG | |
| 11 | —3241A012 | | 1 | PLUG | |
| 12 | —0650588 | | 1 | PLUG | |
| 13 | —0650710 | | 1 | PLUG | |
| 14 | —32141316 | | 2 | PLUG | |
| 15 | —3212P008 | | 1 | PLUG | |
| 16 | —3244A009 | | 2 | DOWEL | |
| 17 | —2314C049 | | 1 | SCREW | |
| 18 | —2415D053 | | 1 | WASHER | |
| 19 | —0650594 | | 1 | PLUG | |
| 20 | —2113A003 | | 4 | PISTON COOLING JET | |
| 21 | —2314F001 | | 4 | SCREW | |
| 22 | —3623A009 | | 1 | BLANKING PLATE | |
| 23 | —3688A039 | | 1 | GASKET - OIL FILTER HEAD | |
| 24 | —2314H033 | | 4 | SCREW | |

History

a.

| | | | |
|---|-----------|----|-------------------------|
| 1 | ZZ50322 | 1 | CYLINDER BLOCK ASSEMBLY |
| | —33142111 | 10 | THIMBLE |
| | —32166329 | 10 | SCREW |
| | —3112D071 | 1 | CAMSHAFT BUSH |
| | —3241A011 | 2 | PLUG |
| | —3241A012 | 1 | PLUG |
| | —0650588 | 1 | PLUG |
| | —0650710 | 1 | PLUG |
| | —32141316 | 1 | PLUG |
| | —3212P008 | 1 | PLUG |
| | —3244A009 | 2 | DOWEL |

ACHN0138

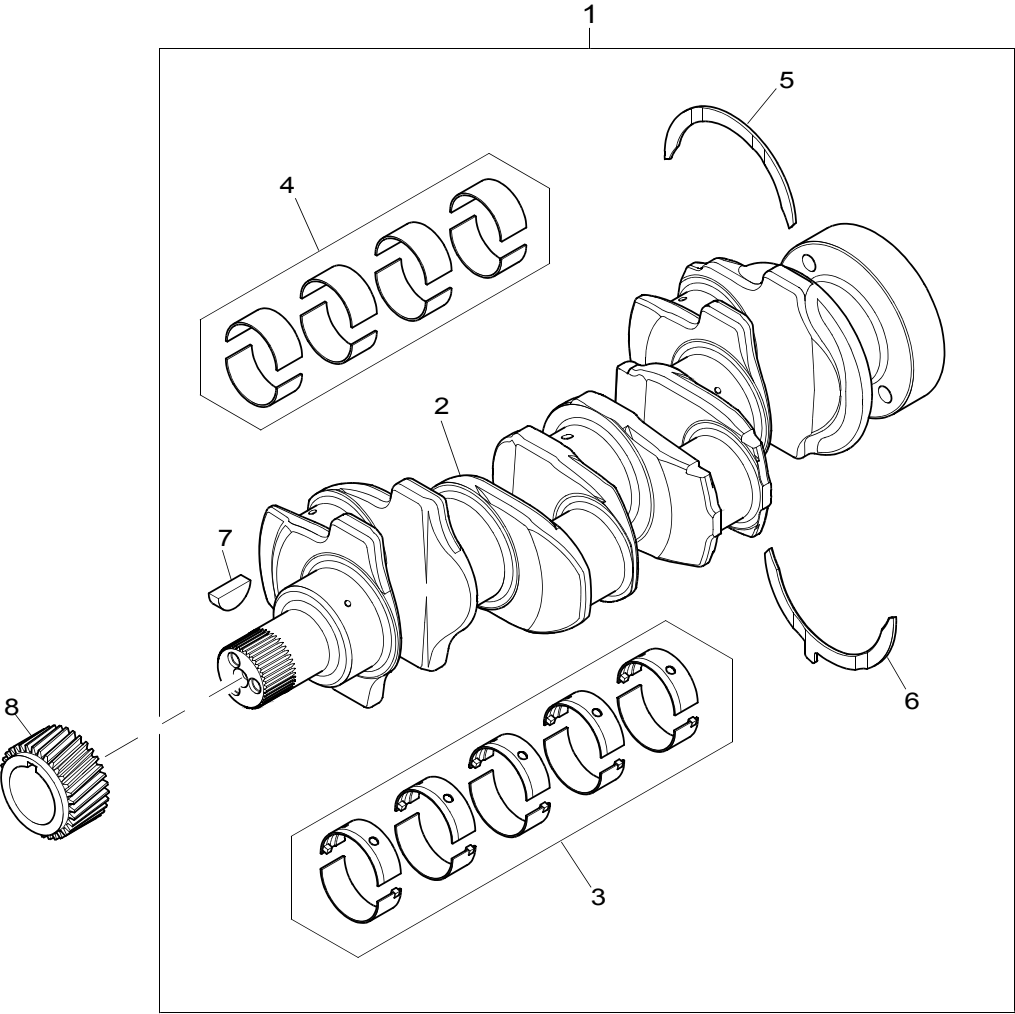


| | | |
|--------------------------|--|-----------------|
| Rear End Oil Seal | | Plate A |
| | | ACHN0138 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|---------------------|--------------|
| 1 | 2418F704 | | 1 | SEAL - REOS HOUSING | |
| 2 | 3211C002 | | 10 | METRIC BOLT | |















→ U056074T

ACHN0138



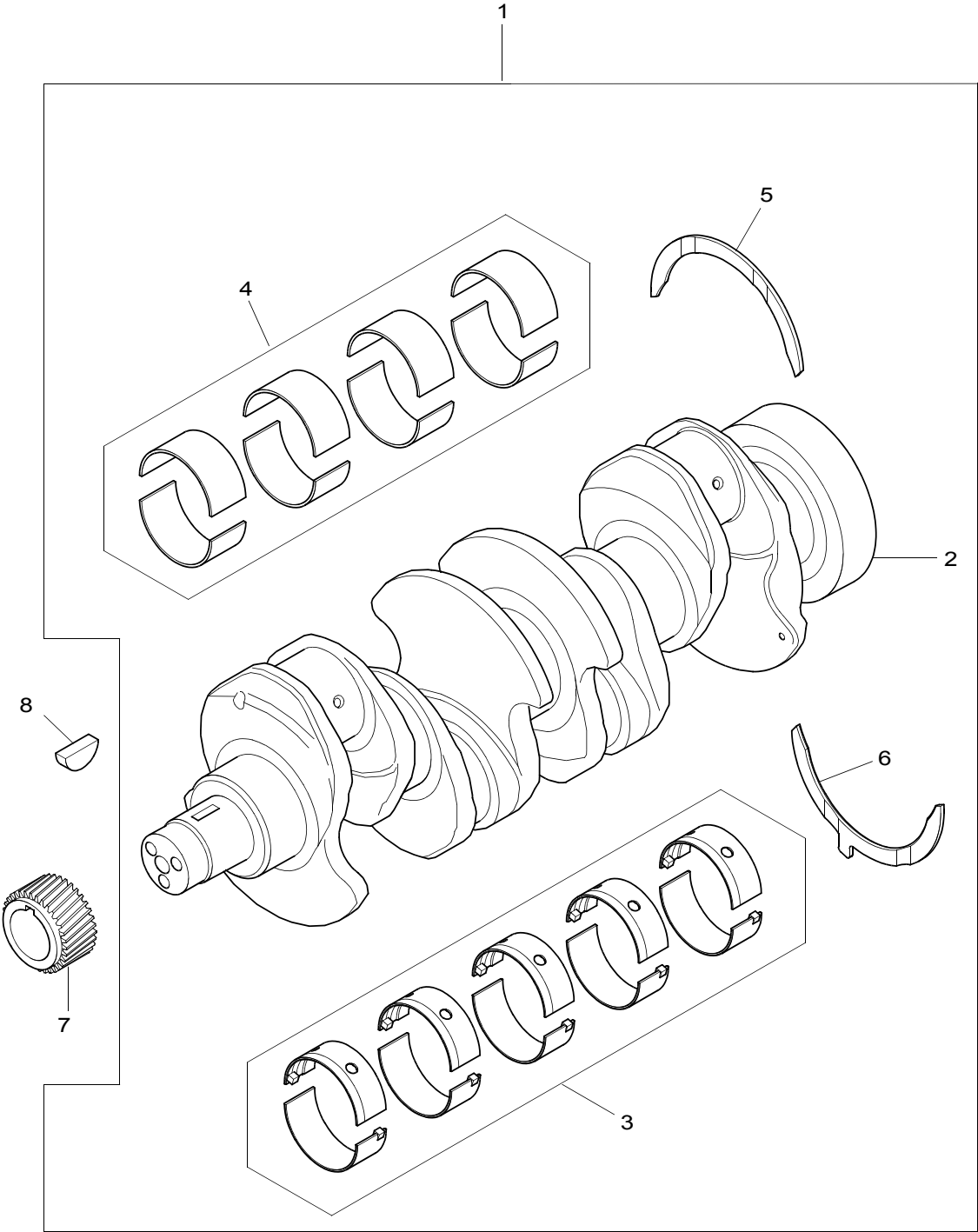
→ U056074T

ACHN0138

| Item | Part No. | References | Qty. | Description | Notes |
|------------------------|-----------|----------------------------------------------------------------------------------------------|------|---------------------------|-------|
| 1 | ZZ90222 |  | 1 | CRANKSHAFT KIT | |
| 2 | |  ZZ90222 | 1 | CRANKSHAFT | |
| 3 | U5MB0018 |  | 1 | MAIN BEARING KIT | |
| 4 | U5ME0026 |  | 1 | BIG END BEARING KIT | |
| 5 | 31137551 |  | 2 | THRUST WASHER | |
| 6 | 31137561 |  | 2 | THRUST WASHER | |
| 7 | 0500012 | | 1 | WOODRUFF KEY | |
| 8 | 3117C221 | | 1 | CRANKSHAFT GEAR | |
| Service Options | | | | | |
| 1 | ZZ90222P | | 1 | CRANKSHAFT KIT - EXCHANGE | |
| 3 | U5MB0018A |  (+) 0.010" | 1 | MAIN BEARING KIT - U/S | |
| 3 | U5MB0018B |  (+) 0.020" | 1 | MAIN BEARING KIT - U/S | |
| 3 | U5MB0018C |  (+) 0.030" | 1 | MAIN BEARING KIT - U/S | |
| 4 | U5ME0026A |  (+) 0.25MM | 1 | BIG END BRG KIT - U/S | |
| 4 | U5ME0026B |  (+) 0.50MM | 1 | BIG END BRG KIT - U/S | |
| 4 | U5ME0026C |  (+) 0.75MM | 1 | BIG END BRG KIT - U/S | |
| 5 | 31137312 |  (+) 0.007" | 2 | THRUST WASHER | |
| 6 | 31137322 |  (+) 0.007" | 2 | THRUST WASHER | |

↳ U056075T

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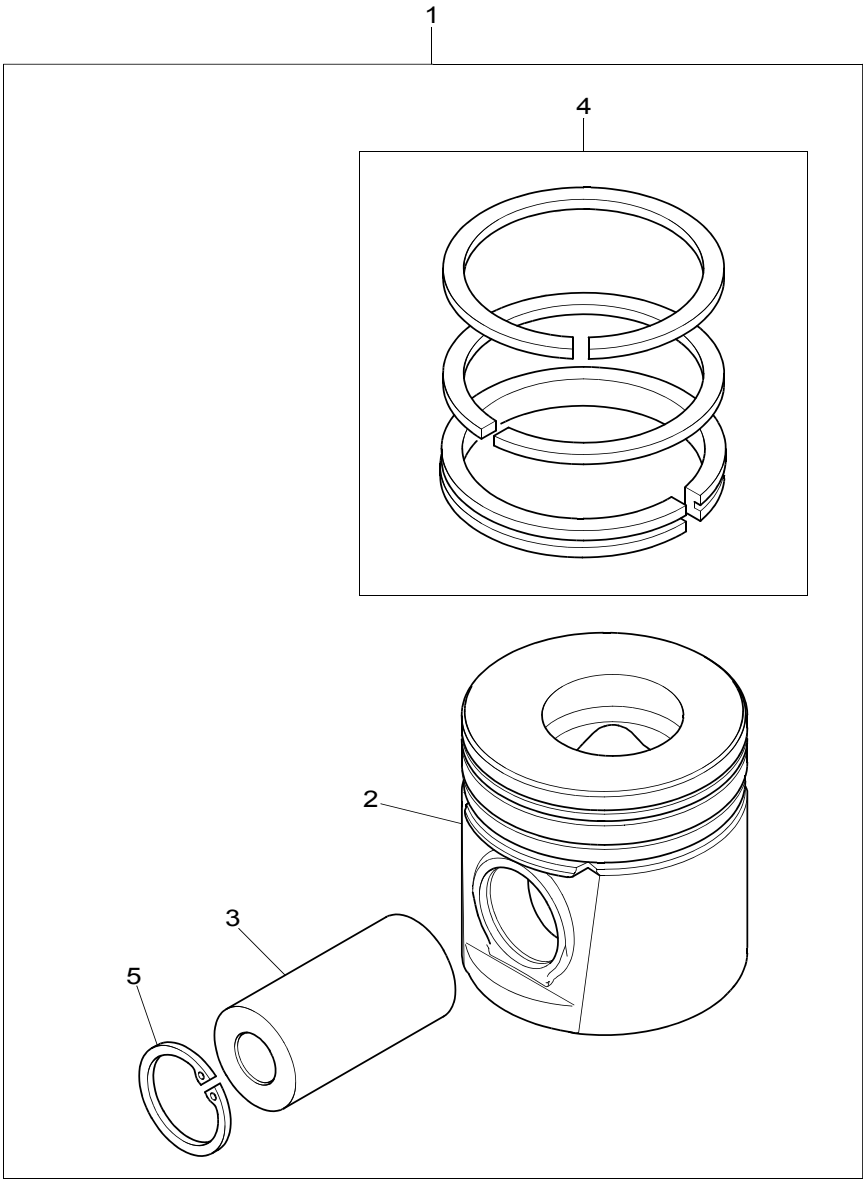


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ACHN0138

| Item | Part No. | References | Qty. | Description | Notes |
|------------------------|------------|-------------------------|------|------------------------|-------|
| 1 | ZZ90237 | | 1 | CRANKSHAFT KIT | |
| 2 | └ | ⇒ ZZ90237 | 1 | CRANKSHAFT | |
| 3 | └ U5MB0033 | Ⓢ | 1 | MAIN BEARING KIT | |
| 4 | └ T400002 | | 1 | BIG END BEARING KIT | |
| 5 | └ 31137551 | Ⓢ | 2 | THRUST WASHER | |
| 6 | └ 31137561 | Ⓢ | 2 | THRUST WASHER | |
| 7 | 3117C221 | | 1 | CRANKSHAFT GEAR | |
| 8 | 0500012 | | 1 | WOODRUFF KEY | |
| Service Options | | | | | |
| 3 | U5MB0033A | $\frac{+}{-}$ (-)0.25MM | 1 | MAIN BEARING KIT - U/S | |
| 3 | U5MB0033B | $\frac{+}{-}$ (-)0.50MM | 1 | MAIN BEARING KIT - U/S | |
| 3 | U5MB0033C | $\frac{+}{-}$ (-)0.75MM | 1 | MAIN BEARING KIT - U/S | |
| 5 | 31137312 | $\frac{+}{-}$ (+)0.007" | 2 | THRUST WASHER | |
| 6 | 31137322 | $\frac{+}{-}$ (+)0.007" | 2 | THRUST WASHER | |

ACHN0138

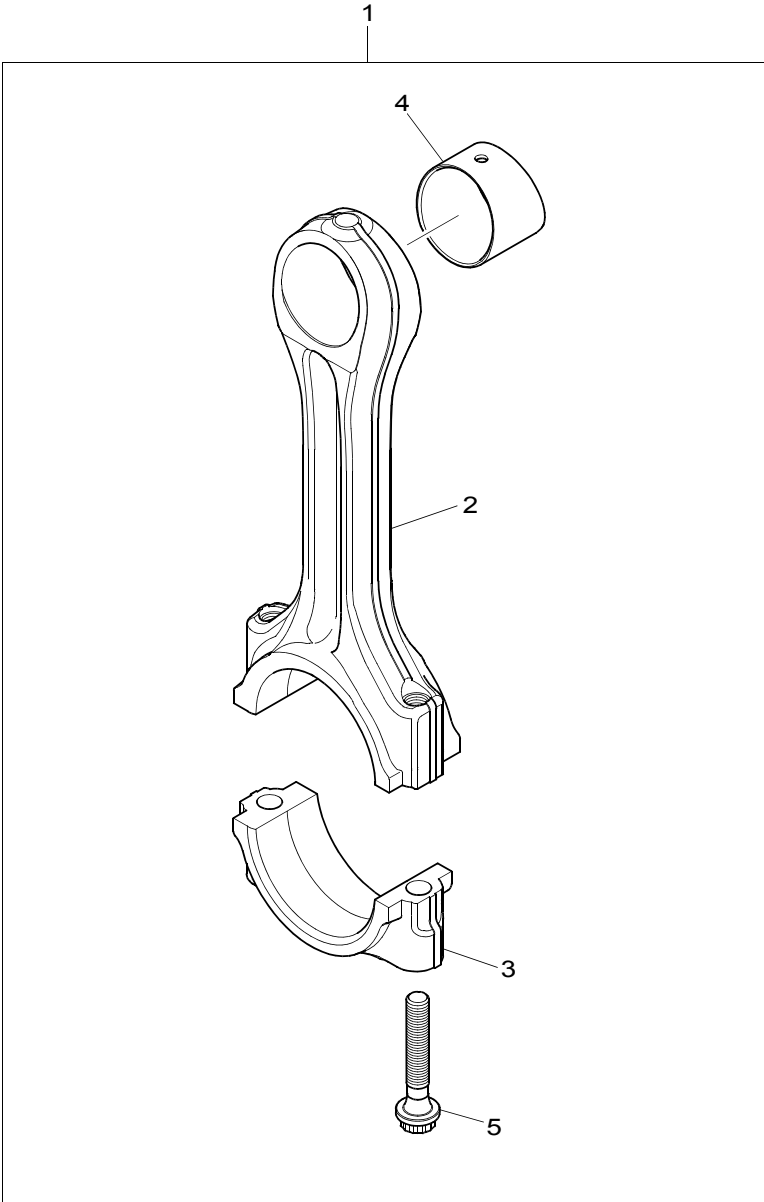


| | | |
|----------------------------|--|-----------------|
| Pistons & Rings | | Plate A |
| | | ACHN0138 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|------------|------|---------------------|-------|
| 1 | U5PR0062 | | 4 | PISTON AND RING KIT | |
| 2 | | ⇒ U5PR0062 | 1 | PISTON | |
| 3 | | ⇒ U5PR0062 | 1 | GUDGEON PIN | |
| 4 | UPRK0005 | | 1 | PISTON RING KIT | |
| 5 | 2721332 | | 2 | CIRCLIP | |

→ U056074T

ACHN0138

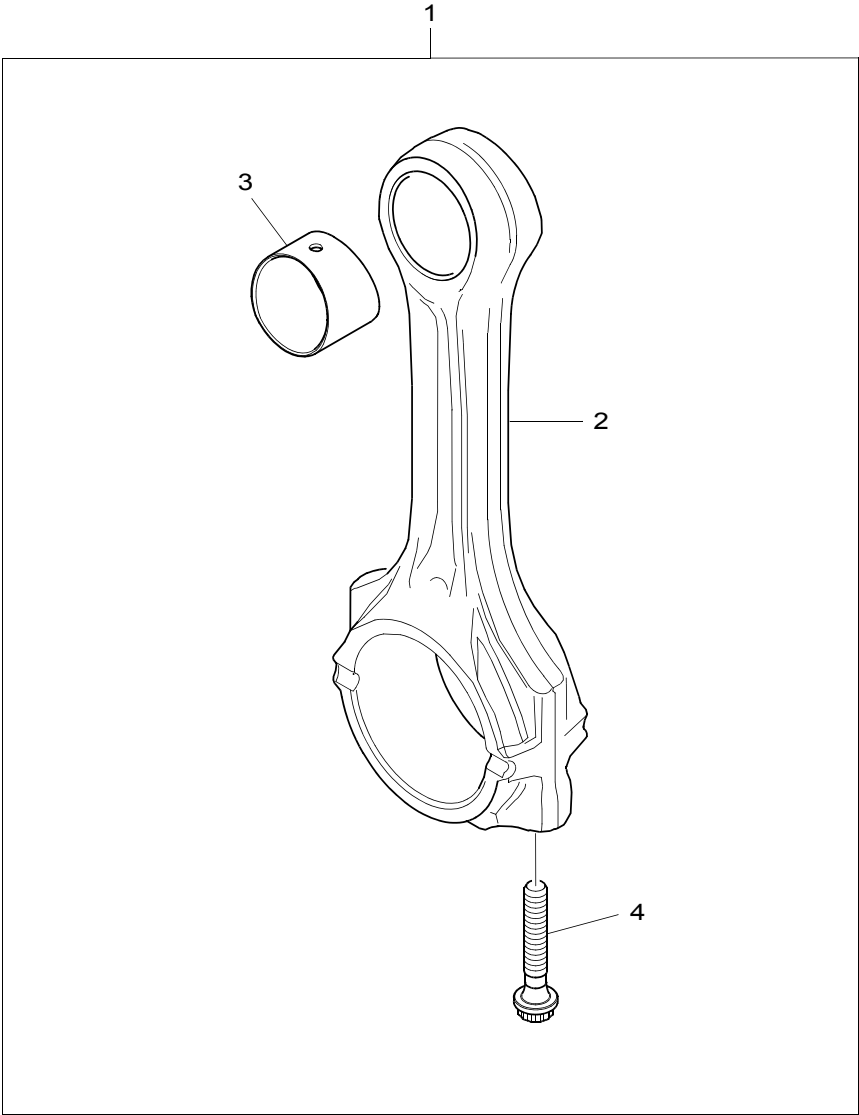


| | | |
|-----------------|----------|---------|
| Connecting Rods | | Plate A |
| → U056074T | ACHN0138 | |

| Item | Part No. | References | Qty. | Description | Notes |
|------------------------|----------------------------|------------------|------|------------------|---------|
| 1 | | Ⓢ | 4 | CONROD KIT | |
| 2 | └─ | ⇒ SERVICE OPTION | 1 | CON ROD | |
| 3 | └─ | ⇒ SERVICE OPTION | 1 | CAP | |
| 4 | └─ 3112A005 | | 1 | SMALL END BUSH | |
| 5 | └─ 3212V003 | | 2 | CON ROD BOLT | (A) |
| Service Options | | | | | |
| 1 | 4115C311 | | 4 | CON ROD ASSEMBLY | GRADE F |
| 1 | 4115C312 | | 4 | CON ROD ASSEMBLY | GRADE G |
| 1 | 4115C313 | | 4 | CON ROD ASSEMBLY | GRADE H |
| 1 | 4115C314 | | 4 | CON ROD ASSEMBLY | GRADE J |
| 1 | 4115C315 | | 4 | CON ROD ASSEMBLY | GRADE K |
| 1 | 4115C316 | | 4 | CON ROD ASSEMBLY | GRADE L |
| Footnotes | | | | | |
| (A) | DO NOT RE-USE ONCE REMOVED | | | | |

↳ U056075T

ACHN0138

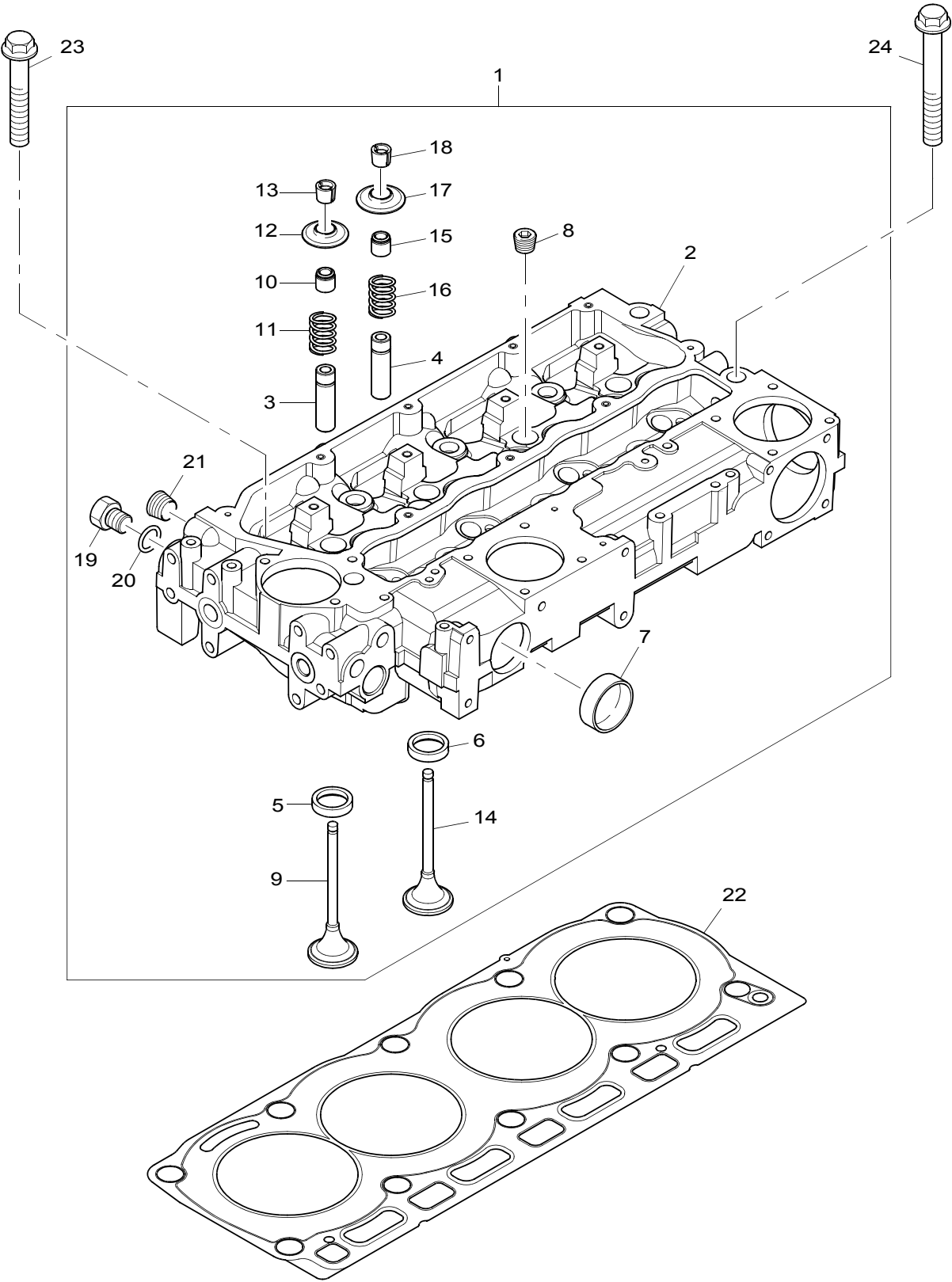


| | | |
|------------------------|----------|----------------|
| Connecting Rods | | Plate B |
| ↳ U056075T | ACHN0138 | |

| Item | Part No. | References | Qty. | Description | Notes |
|------------------------|------------|------------------|------|----------------|--------------------|
| 1 | | Ⓢ | 4 | CON ROD | |
| 2 | | ⇒ SERVICE OPTION | 1 | CON ROD | |
| 3 | └ 3112A005 | | 1 | SMALL END BUSH | |
| 4 | └ T400001 | | 2 | CON ROD BOLT | (A) |
| Service Options | | | | | |
| 1 | 4115C361 | | X | CON ROD | (B) GRADE:R - RED |
| 1 | 4115C362 | | X | CON ROD | (C) GRADE:O - |
| 1 | 4115C363 | | X | CON ROD | (D) GRADE:W - |
| 1 | 4115C364 | | X | CON ROD | (E) GRADE:G - |
| 1 | 4115C365 | | X | CON ROD | (F) GRADE:P - PUR- |
| 1 | 4115C366 | | X | CON ROD | (G) GRADE:B - |

| Footnotes | |
|-----------|----------------------------|
| (A) | DO NOT RE-USE ONCE REMOVED |
| (B) | GRADE:R - RED |
| (C) | GRADE:O - ORANGE |
| (D) | GRADE:W - WHITE |
| (E) | GRADE:G - GREEN |
| (F) | GRADE:P - PURPLE |
| (G) | GRADE:B - BLUE |

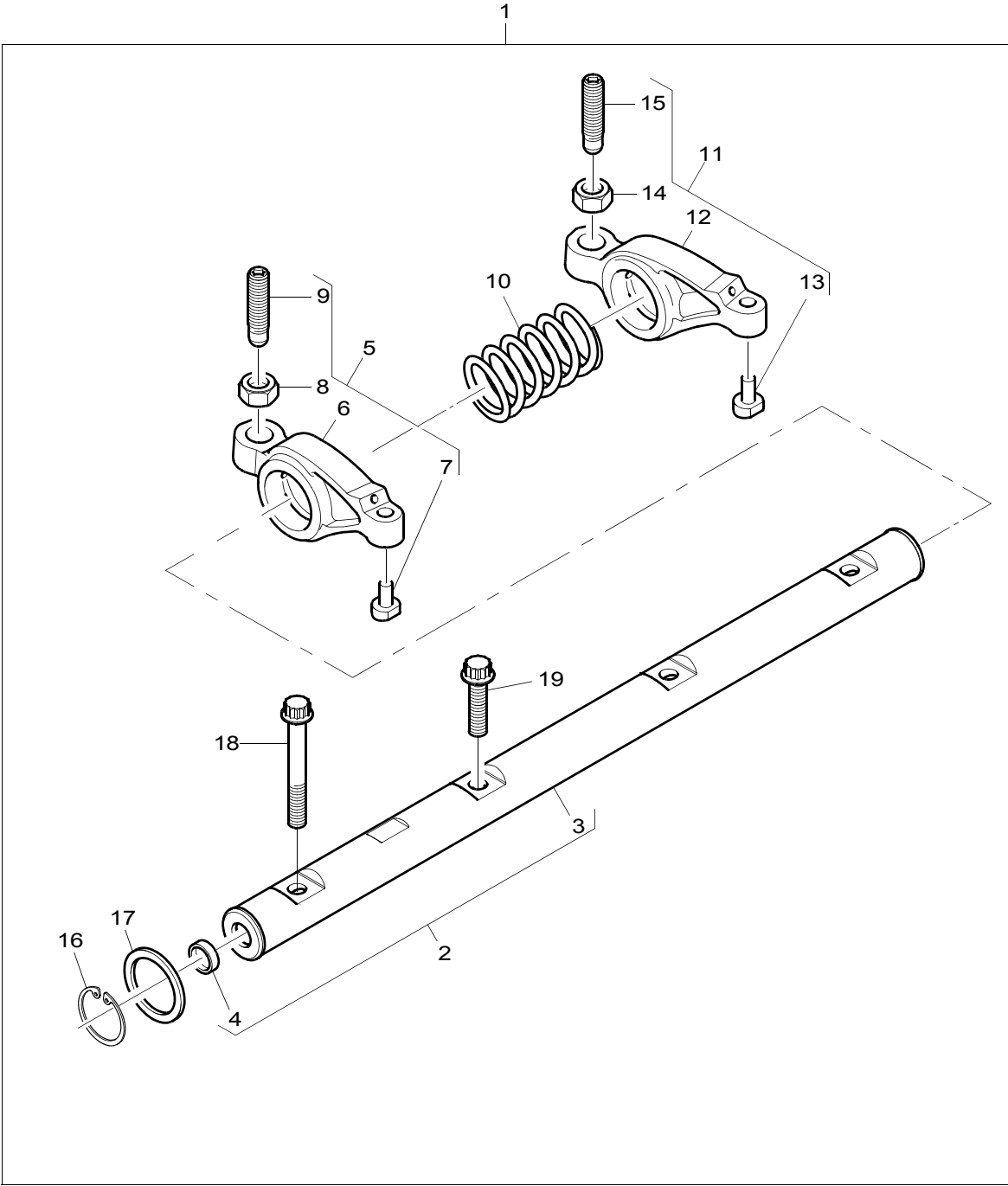
ACHN0138



ACHN0138

| Item | Part No. | References | Qty. | Description | Notes |
|------------------|------------|------------|------|------------------------|-------|
| 1 | ZZ80279 | | 1 | CYLINDER HEAD ASSEMBLY | |
| 2 | — | ⇒ ZZ80279 | 1 | CYLINDER HEAD | |
| 3 | — 3313A012 | | 4 | VALVE GUIDE | |
| 4 | — 3313A012 | | 4 | VALVE GUIDE | |
| 5 | — 3314A221 | | 4 | VALVE SEAT INSERT | |
| 6 | — 3314A231 | | 4 | VALVE SEAT INSERT | |
| 7 | — 32416117 | | 2 | PLUG | |
| 8 | — 0650588 | | 4 | PLUG | |
| 9 | — 3142H101 | | 4 | INTAKE VALVE | |
| 10 | — 2418M519 | | 4 | SEAL - VALVE STEM | (A) |
| 11 | — 3174A031 | | 4 | VALVE SPRING | |
| 12 | — 3342A021 | | 4 | CAP | |
| 13 | — 2714A002 | | 8 | VALVE COLLET | |
| 14 | — 3142A171 | | 4 | EXHAUST VALVE | |
| 15 | — 2418M517 | | 4 | SEAL - VALVE STEM | (B) |
| 16 | — 3174A031 | | 4 | VALVE SPRING | |
| 17 | — 3342A021 | | 4 | CAP | |
| 18 | — 2714A002 | | 8 | VALVE COLLET | |
| 19 | — 3278A006 | | 1 | PLUG | |
| 20 | — 2415H003 | | 1 | SEAL - SENSOR | |
| 21 | — 2431154 | | 2 | PLUG | |
| 22 | 3681E051 | | 1 | GASKET - CYLINDER HEAD | |
| 23 | 3218A011 | | 7 | CYLINDER HEAD BOLT | |
| 24 | 3218A012 | | 3 | CYLINDER HEAD BOLT | |
| Footnotes | | | | | |
| (A) | GREEN | | | | |
| (B) | BROWN | | | | |

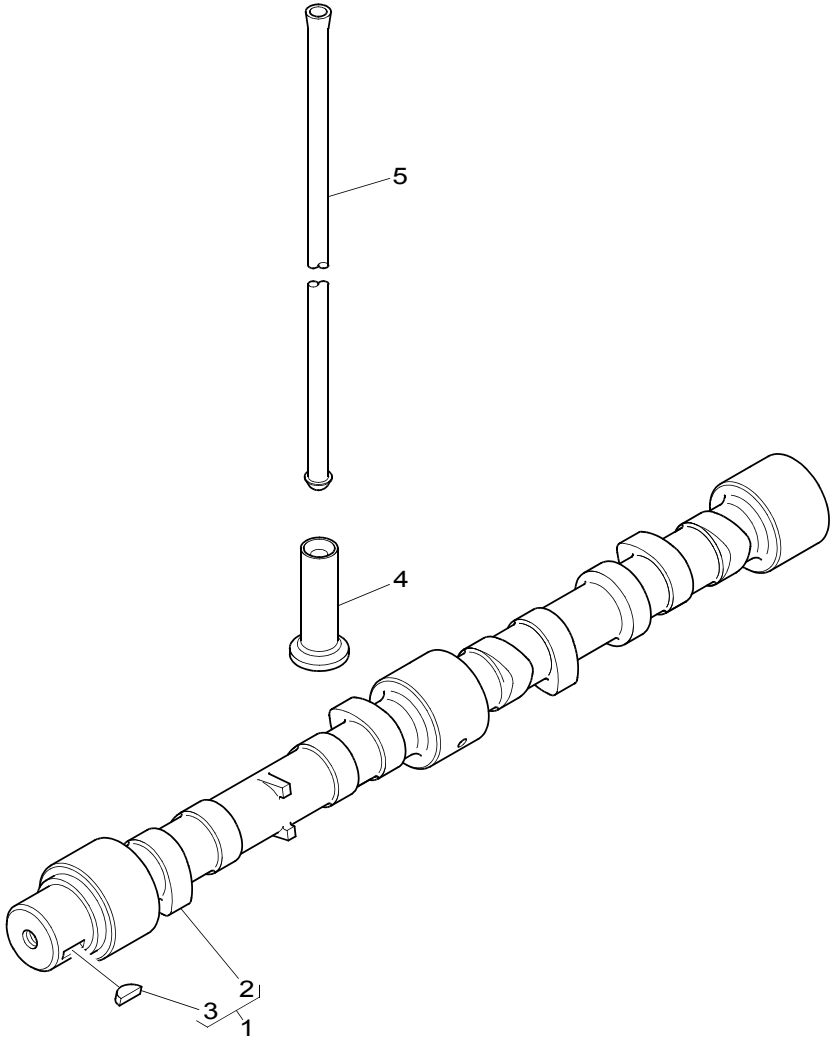
ACHN0138





ACHN0138

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|---------------------------|-------|
| 1 | 4115R613 | | 1 | ROCKER SHAFT ASSEMBLY | |
| 2 | └─4115R703 | | 1 | ROCKER SHAFT ASSY - MINOR | |
| 3 | └┬─ | ⇒ 4115R703 | 1 | ROCKER ARM SHAFT | |
| 4 | └┬─2485A104 | | 2 | PLUG | |
| 5 | └─4115R319 | | 4 | ROCKER LEVER | |
| 6 | └┬─ | ⇒ 4115R319 | 1 | ROCKER LEVER | |
| 7 | └┬─ | ⇒ 4115R319 | 1 | PAD | |
| 8 | └┬─3331A006 | | 1 | NUT | |
| 9 | └┬─3211C004 | | 1 | SCREW | |
| 10 | └─3174A015 | | 3 | ROCKER SHAFT SPRING | |
| 11 | └─4115R318 | | 4 | ROCKER LEVER | |
| 12 | └┬─ | ⇒ 4115R318 | 1 | ROCKER LEVER | |
| 13 | └┬─ | ⇒ 4115R318 | 1 | PAD | |
| 14 | └┬─3331A006 | | 1 | NUT | |
| 15 | └┬─3211C004 | | 1 | SCREW | |
| 16 | └─2722A022 | | 2 | CIRCLIP | |
| 17 | └─2134A502 | | 2 | WASHER | |
| 18 | └─2316A901 | | 1 | SCREW | |
| 19 | └─2316A902 | | 3 | SCREW | |

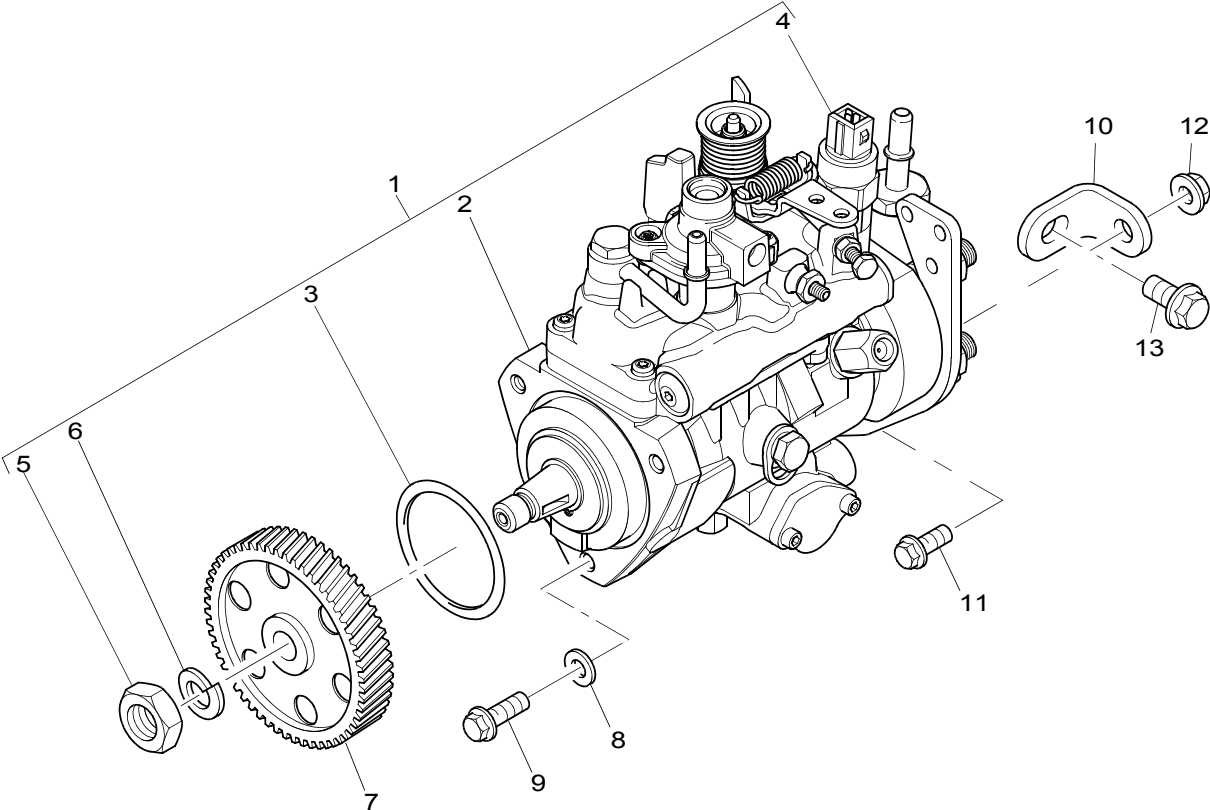
ACHN0138



| | | |
|------------------------|--|----------|
| Timing Gear & Camshaft | | Plate A |
| | | ACHN0138 |

| Item | Part No. | References | Qty. | Description | Notes |
|----------------|------------|--------------------------------------------------------------------------------------------|------|--------------|-------|
| 1 | 4112K072 |  a. | 1 | CAMSHAFT | |
| 2 | └┐ 0500012 |  4112K072 | 1 | CAMSHAFT | |
| 3 | | | 1 | WOODRUFF KEY | |
| 4 | 3142U061 | | 8 | TAPPET | |
| 5 | 3142V011 | | 8 | PUSHROD | |
| History | | | | | |
| a. | | | | | |
| 1 | 4112K027 | | 1 | CAMSHAFT | |

AFH04635

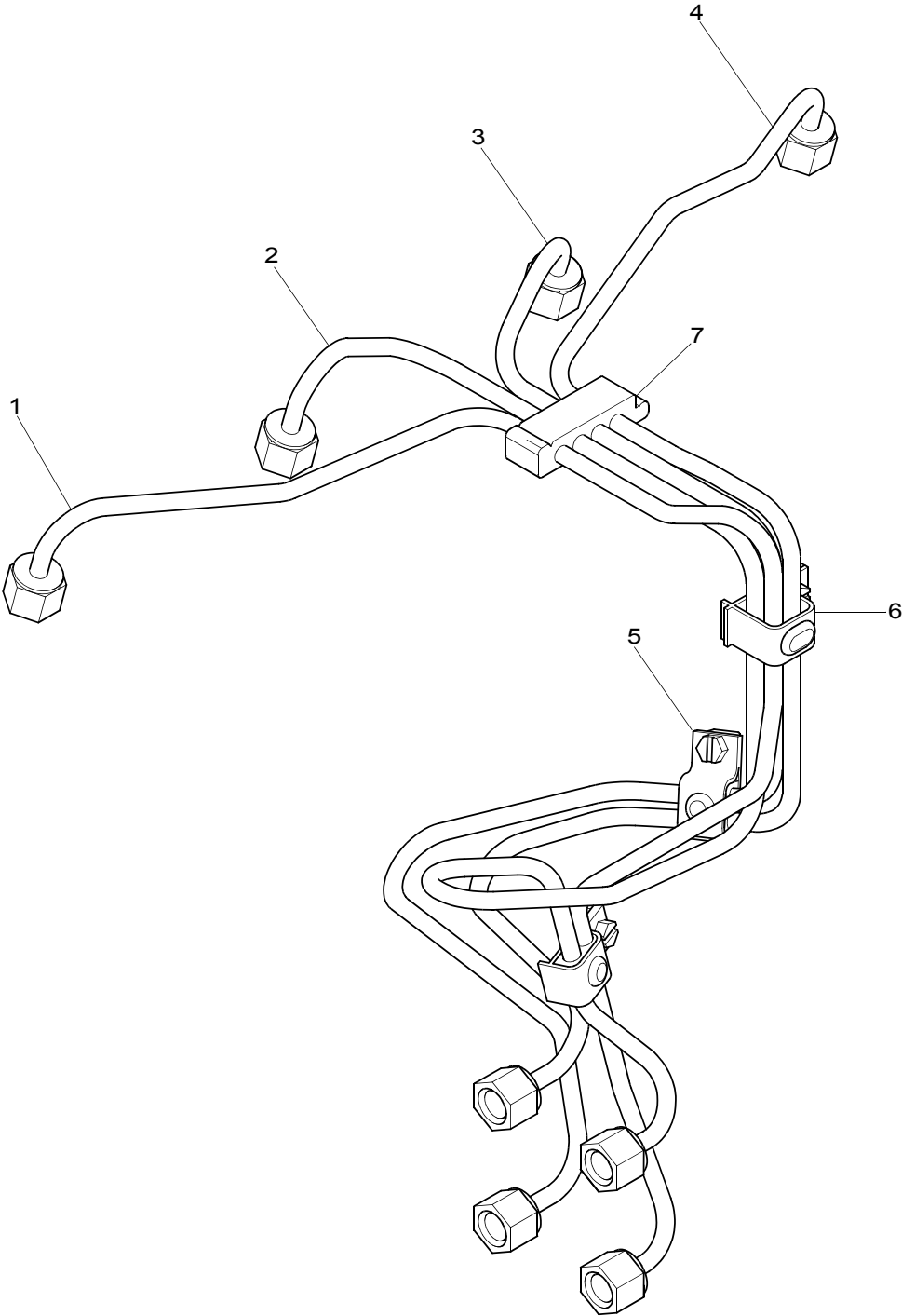


| | | |
|----------------------------|--|-----------------|
| Fuel Injection Pump | | Plate A |
| | | AFH04635 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|---------------|------|--------------------------|-------|
| 1 | 2644C311/22 | | 1 | FUEL INJECTION PUMP | |
| 2 | — | ⇒ 2644C311/22 | 1 | FUEL INJECTION PUMP | |
| 3 | —26420318 | | 1 | SEAL - O RING | |
| 4 | —26420469 | | 1 | SOLENOID | (A) |
| 5 | —2318A108 | | 1 | NUT | |
| 6 | —K134AF01 | | 1 | WASHER | |
| 7 | 3117L261 | | 1 | FUEL INJECTION PUMP GEAR | |
| 8 | 2411D008 | | 3 | WASHER | |
| 9 | 2314H004 | | 3 | SCREW | |
| 10 | 3641A007 | | 1 | BRACKET | |
| 11 | 2314H003 | | 1 | SCREW | |
| 12 | 2318A603 | | 1 | NUT | |
| 13 | 2314J002 | | 1 | SCREW | |

| | |
|------------------|--------------|
| Footnotes | |
| (A) | 12V SOLENOID |

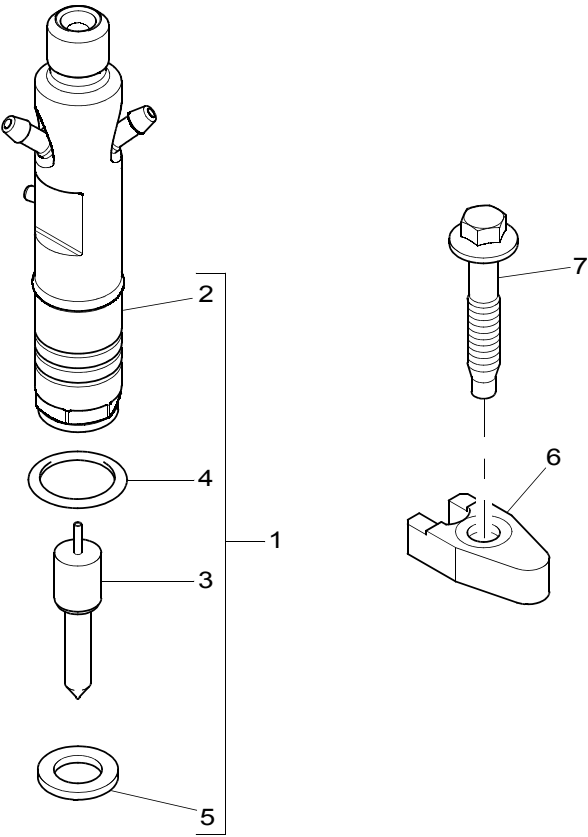
AFH04635



| | | |
|---------------------------------|--|-----------------|
| High Pressure Fuel Pipes | | Plate A |
| | | AFH04635 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------------|--------------|
| 1 | 3525A101 | | 1 | PIPE - FUEL INJ NO 1 CYL | |
| 2 | 3525A102 | | 1 | PIPE - FUEL INJ NO 2 CYL | |
| 3 | 3525A103 | | 1 | PIPE - FUEL INJ NO 3 CYL | |
| 4 | 3525A104 | | 1 | PIPE - FUEL INJ NO 4 CYL | |
| 5 | 2481Y011 | | 2 | CLIP | |
| 6 | 2481Y012 | | 1 | CLIP | |
| 7 | 2646E019 | | 1 | CLIP | |

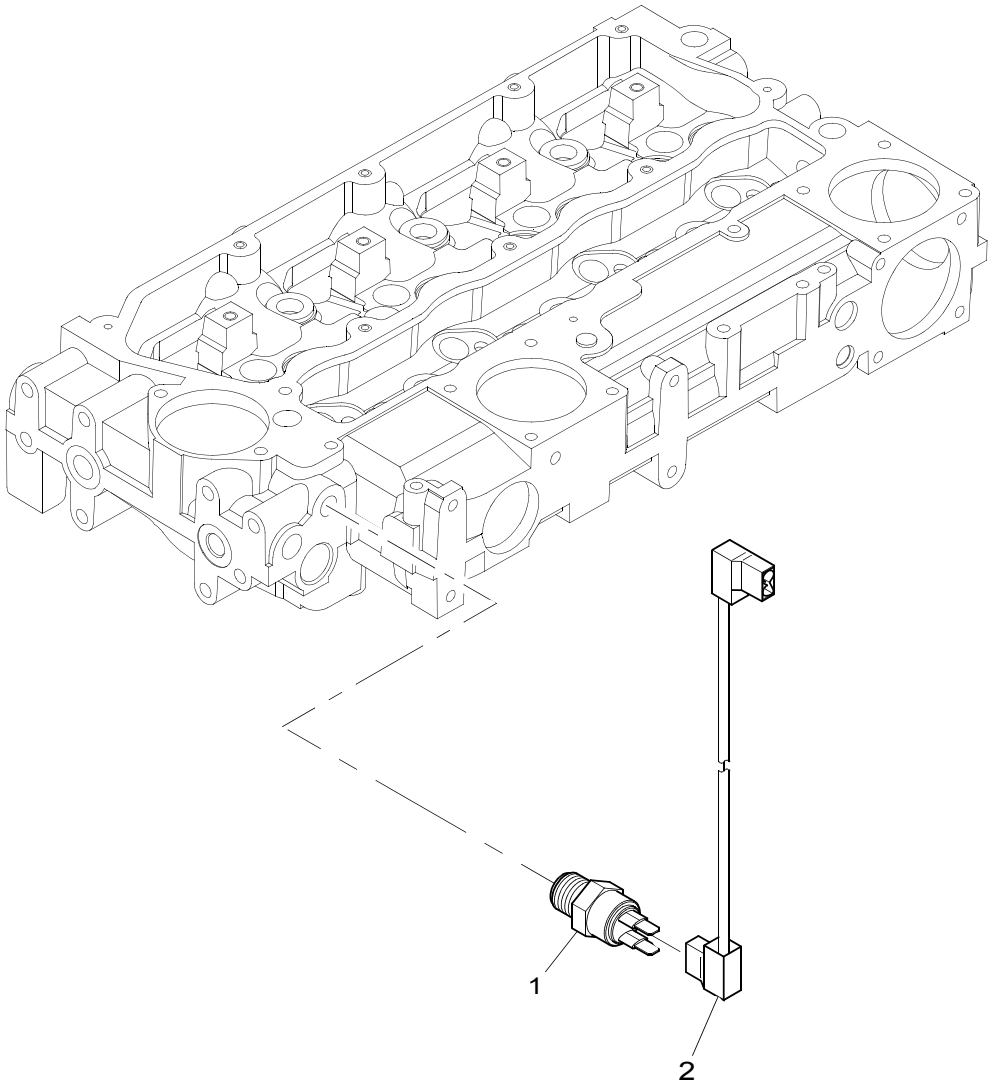
AFH04635




| | | |
|------------------|--|-----------------|
| Atomisers | | Plate A |
| | | AFH04635 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|------------|------|------------------------|-------|
| 1 | 2645K026 | | 4 | INJECTOR | |
| 2 | | ⇒ 2645K026 | 1 | INJECTOR NOZZLE HOLDER | |
| 3 | | ⇒ 2645K026 | 1 | INJECTOR NOZZLE | |
| 4 | 26460064 | | 1 | SEAL - INJECTOR | |
| 5 | L311FF02 | | 1 | INJECTOR WASHER | |
| 6 | 3751A241 | | 4 | INJECTOR CLAMP | |
| 7 | 2314W009 | | 4 | SCREW | |

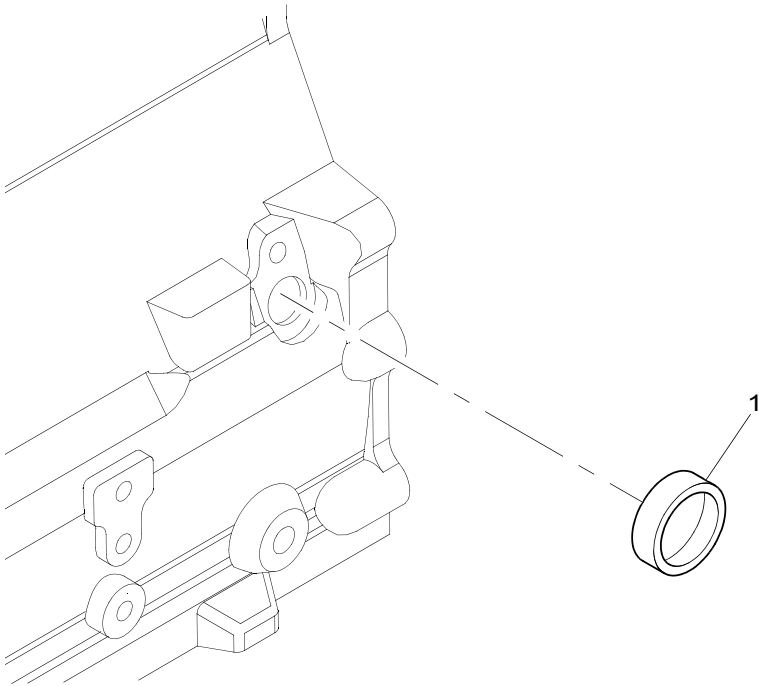
AFH04635



| | | |
|-----------------------|--|-----------------|
| Pick-Up Sensor | | Plate A |
| | | AFH04635 |

| Item | Part No. | References | Qty. | Description | Notes |
|----------------|----------|--------------------------------------------------------------------------------------|------|--------------------------|-------|
| 1 | 2848A123 |  a. | 1 | WATER TEMPERATURE SWITCH | |
| 2 | 3161C017 | | 1 | CABLE | |
| History | | | | | |
| a. | | | | | |
| 1 | 2848A127 | | 1 | WATER TEMPERATURE SENSOR | |

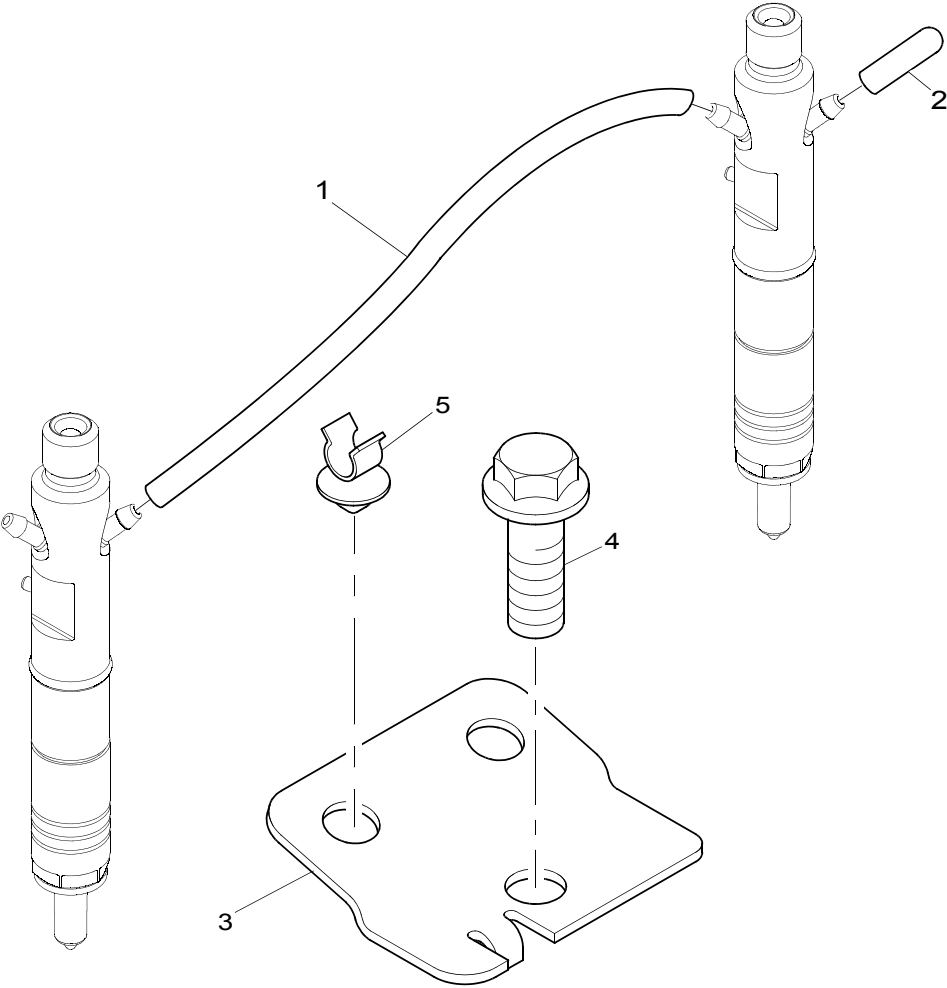
AFH04635



| | | |
|-----------------------|--|-----------------|
| Pick-Up Sensor | | Plate B |
| | | AFH04635 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2485A109 | | 1 | PLUG | |

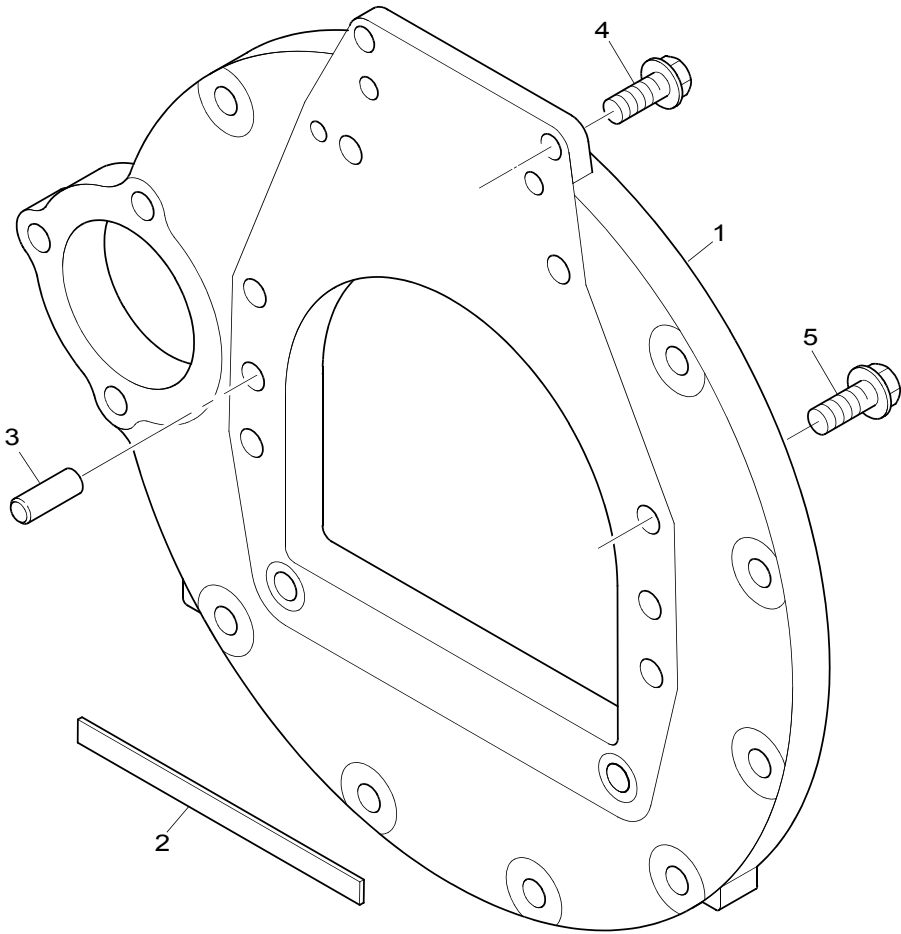
AFH04635



| | | |
|---------------------------|--|-----------------|
| Fuel Leak-Off Pipe | | Plate A |
| | | AFH04635 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2646F501 | | 3 | HOSE | |
| 2 | 2646E501 | | 1 | CAP | |
| 3 | 3653A017 | | 1 | BRACKET | |
| 4 | 2314H002 | | 1 | SCREW | |
| 5 | 2481D456 | | 1 | CLIP | |

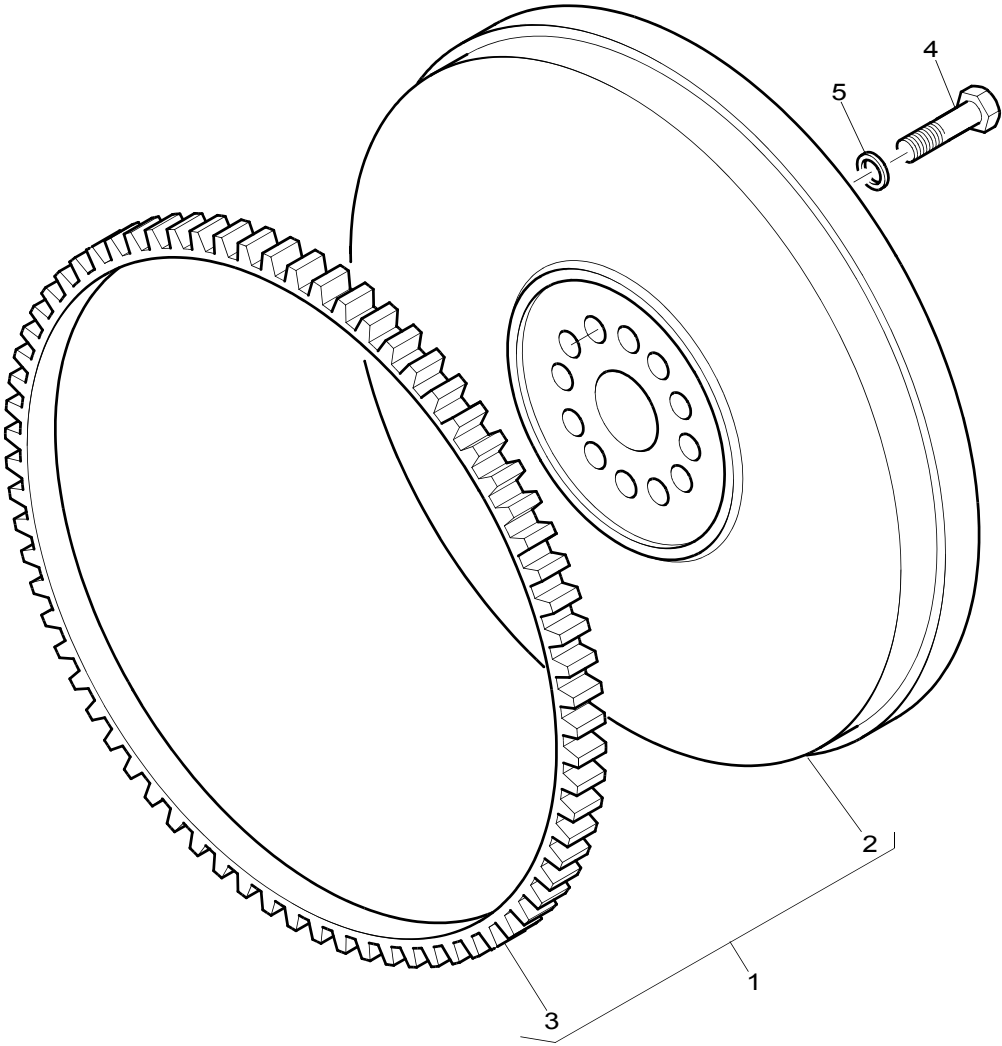
CDH01105



| | | |
|-------------------------|--|-----------------|
| Flywheel Housing | | Plate A |
| | | CDH01105 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3714T052 | | 1 | PLATE | |
| 2 | 36843154 | | 1 | SEAL | |
| 3 | 3245A011 | | 2 | DOWEL | |
| 4 | 2314J603 | | 2 | SCREW | |
| 5 | 2314J204 | | 6 | SCREW | |

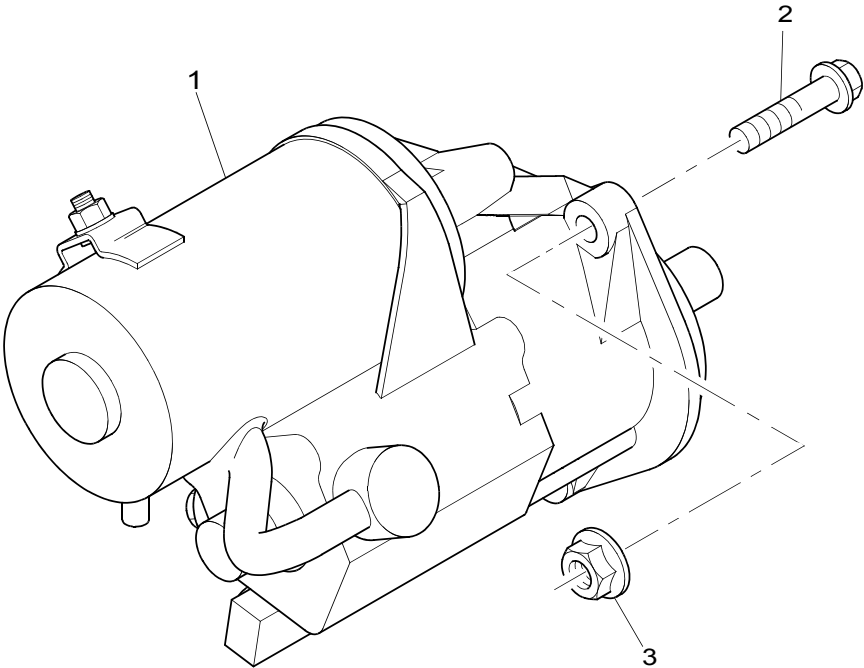
DDH02087



| | | |
|-------------------------|--|----------|
| Flywheel & Starter Ring | | Plate A |
| | | DDH02087 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|-------------------|-------|
| 1 | 4111D260 | | 1 | FLYWHEEL ASSEMBLY | |
| 2 | └─ | ⇒ 4111D260 | 1 | FLYWHEEL | |
| 3 | └─ 31162121 | | 1 | STARTER RING GEAR | |
| 4 | 0096803 | | 10 | SCREW | |
| 5 | 33117127 | | 10 | WASHER | |

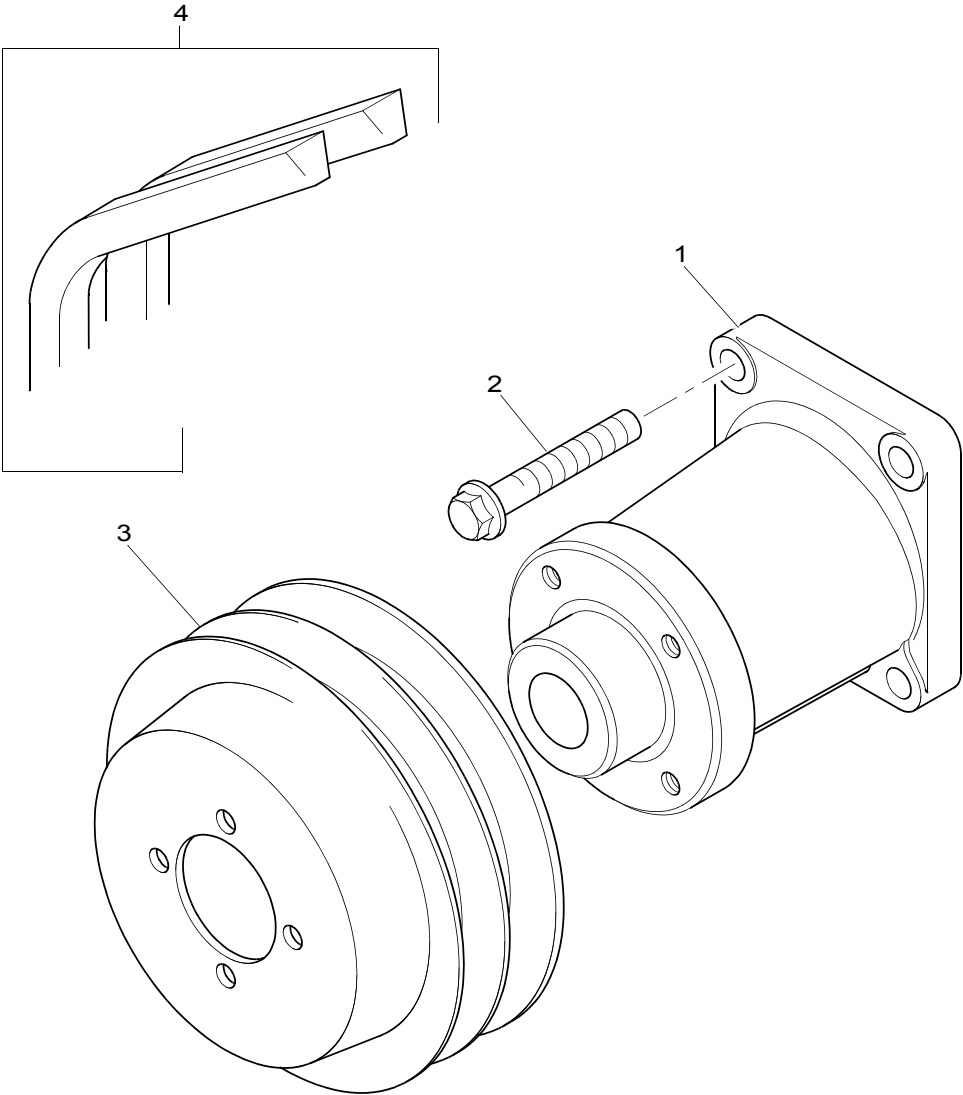
EDH00920



| | | |
|----------------------|--|-----------------|
| Starter Motor | | Plate A |
| | | EDH00920 |

| Item | Part No. | References | Qty. | Description | Notes |
|------------------|---------------------------------|-------------------|-------------|--------------------|--------------|
| 1 | 2873K406 | | 1 | STARTER MOTOR | (A) |
| 2 | 2314J008 | | 1 | SCREW | |
| 3 | 2318A604 | | 1 | NUT | |
| Footnotes | | | | | |
| (A) | BREAKDOWN HAS YET TO BE ADVISED | | | | |

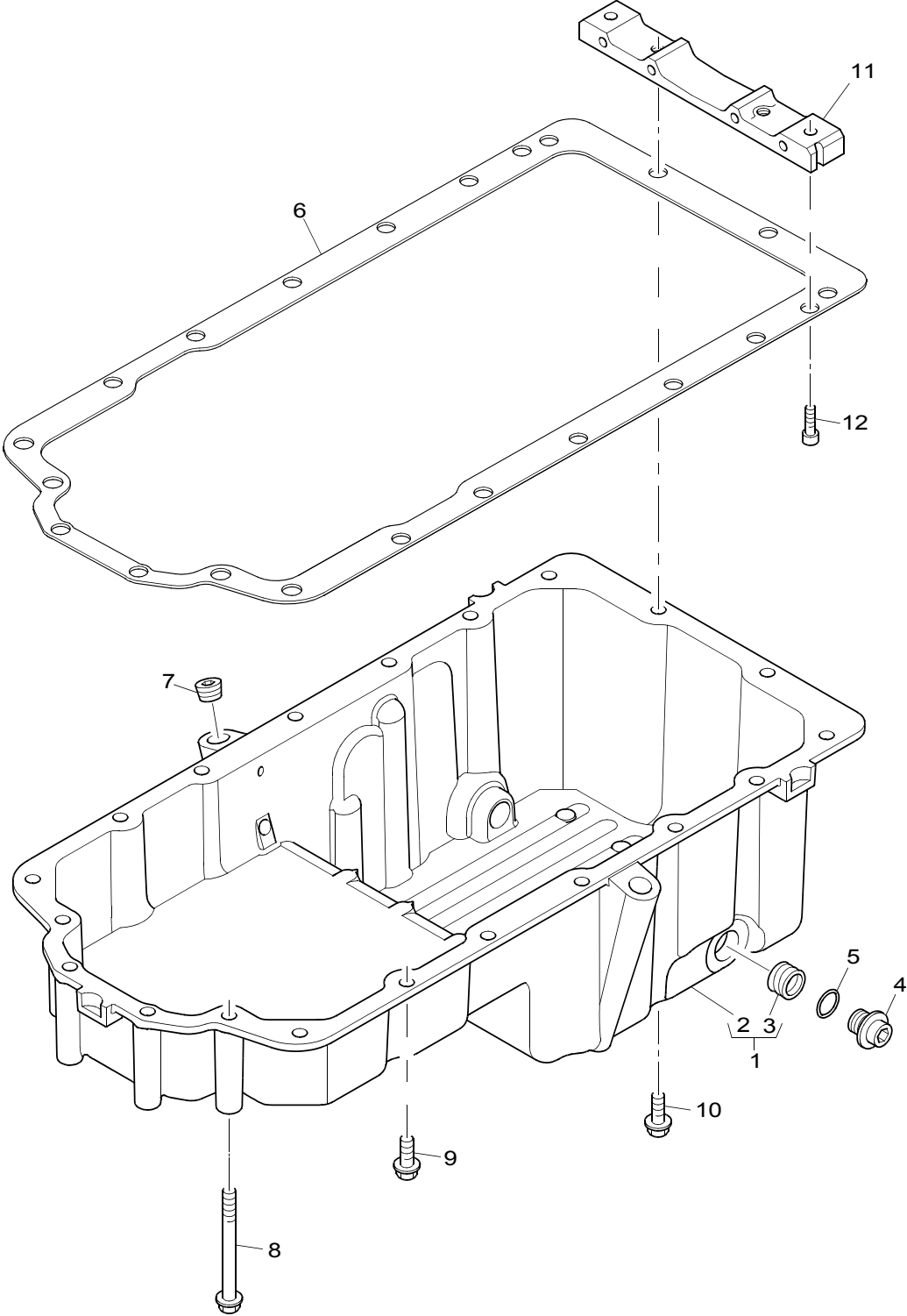
FBH01202



| | | |
|------------------|--|-----------------|
| Fan Drive | | Plate A |
| | | FBH01202 |

| Item | Part No. | References | Qty. | Description | Notes |
|------------------|-------------------|-------------------|-------------|--------------------|--------------|
| 1 | 4113K005 | | 1 | FAN DRIVE HOUSING | |
| 2 | 2314J005 | | 4 | SCREW | |
| 3 | 3115C113 | | 1 | FAN DRIVE PULLEY | |
| 4 | 2614B652 | | 1 | BELT | (A) |
| Footnotes | | | | | |
| (A) | SERVICED IN PAIRS | | | | |

GBH02966

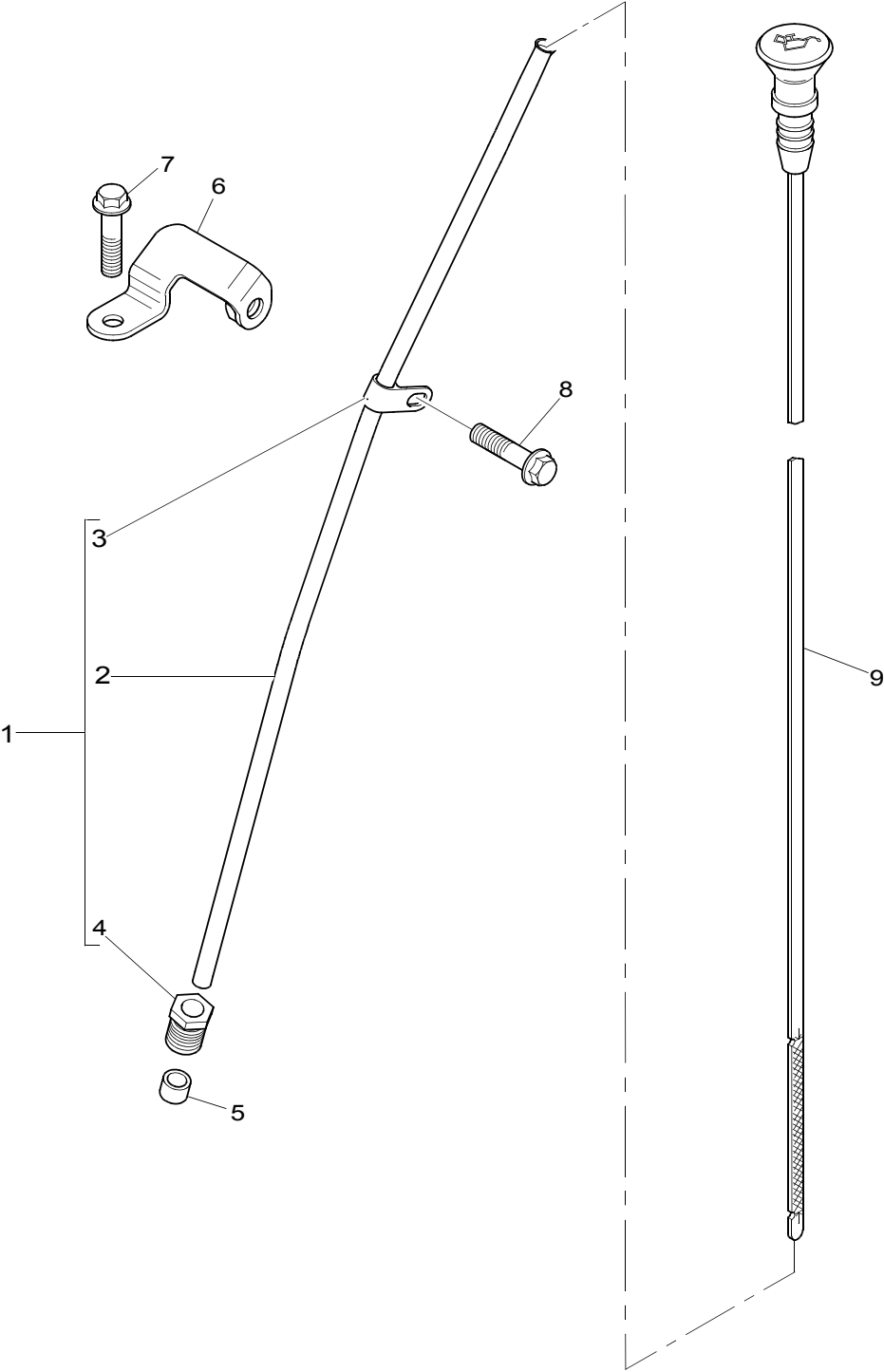


| | |
|-------------|-----------------|
| Sump | Plate A |
| | GBH02966 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|------------|------|---------------|-------|
| 1 | 4145H131 | | 1 | SUMP | |
| 2 | └ | ⇒ 4145H131 | 1 | SUMP | |
| 3 | └2137435 | | 2 | INSERT | |
| 4 | 32186405 | | 2 | PLUG | |
| 5 | 2415715 | | 2 | SEAL - O RING | |
| 6 | 3681K037 | | 1 | GASKET - SUMP | |
| 7 | 2431A016 | | 1 | PLUG | |
| 8 | 2314K166 | | 4 | SCREW | |
| 9 | 2314H003 | | 14 | SCREW | |
| 10 | 2314H033 | | 2 | SCREW | |
| 11 | 3627P041 | | 1 | BRIDGE PIECE | |
| 12 | 2311D039 | | 2 | SCREW | |

→ U001668P

GBH02966

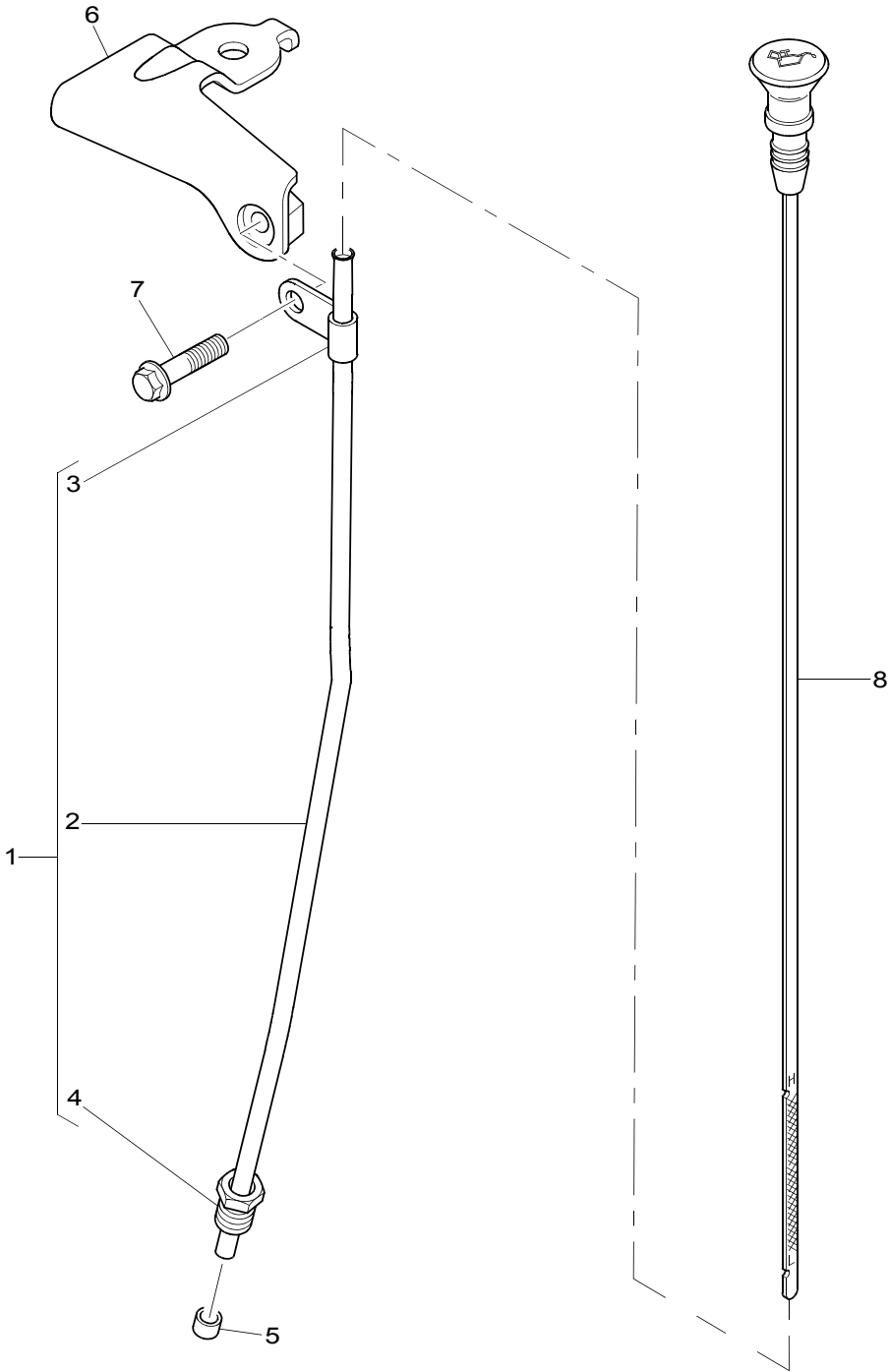


| | | |
|-----------------------------------|----------|----------------|
| Dipstick & Filler Tube | | Plate A |
| → U001668P | GBH02966 | |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|---------------|-------|
| 1 | 4126A081 | | 1 | DIPSTICK TUBE | |
| 2 | └─ | ⇒ 4126A081 | 1 | DIPSTICK TUBE | |
| 3 | └─ 0180170 | | 1 | CLIP | |
| 4 | └─ 3353D005 | | 1 | NUT | |
| 5 | 33812116 | | 1 | OLIVE | |
| 6 | 3861A044 | | 1 | BRACKET | |
| 7 | 2314F009 | | 1 | SCREW | |
| 8 | 2314F002 | | 1 | SCREW | |
| 9 | 3178C184 | | 1 | DIPSTICK | |

↳ U001669P

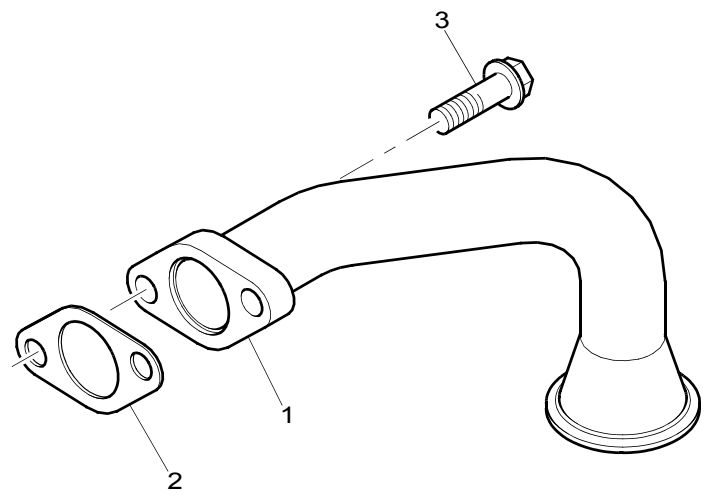
GBH02966



| | | |
|-----------------------------------|--|-----------------|
| Dipstick & Filler Tube | | Plate A |
| ↳ U001669P | | GBH02966 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|------------|------------|------|---------------|-------|
| 1 | 4126A096 | | 1 | DIPSTICK TUBE | |
| 2 | └─ 0180170 | ⇒ 4126A096 | 1 | DIPSTICK TUBE | |
| 3 | | | 1 | CLIP | |
| 4 | | ⇒ 4126A096 | 1 | NUT | |
| 5 | 33812116 | | 1 | OLIVE | |
| 6 | 3861A067 | | 1 | BRACKET | |
| 7 | 2314F002 | | 1 | SCREW | |
| 8 | 3178C195 | | 1 | DIPSTICK | |

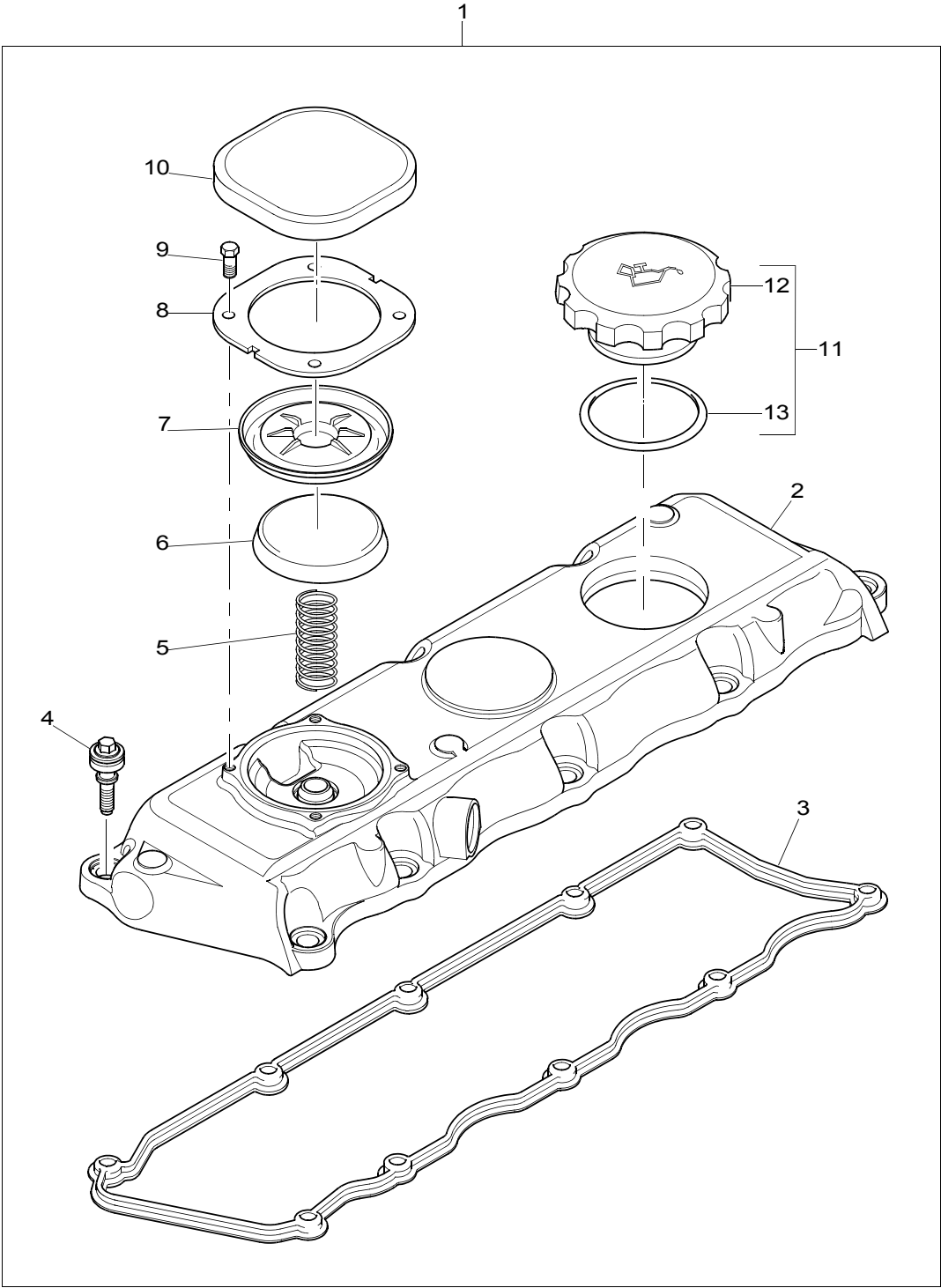
GBH02966



| | | |
|---------------------|--|-----------------|
| Oil Strainer | | Plate A |
| | | GBH02966 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3575A061 | | 1 | PIPE - OIL SUCTION | |
| 2 | 36832137 | | 1 | GASKET | |
| 3 | 2314H004 | | 2 | SCREW | |

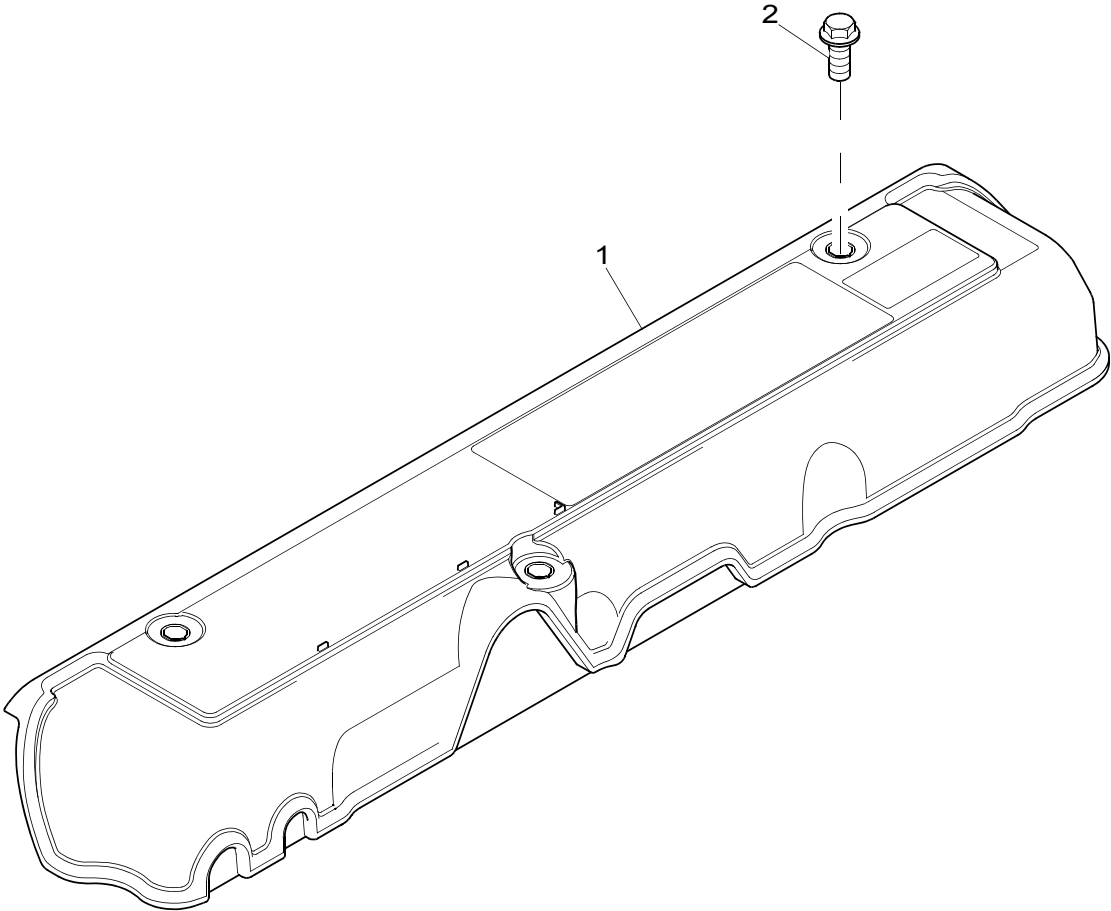
HBH03340



| | | |
|----------------------------|--|-----------------|
| Cylinder Head Cover | | Plate A |
| | | HBH03340 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|--------------------------|-------|
| 1 | 4142X324 | | 1 | CYL HEAD COVER ASSY | |
| 2 | └─ | ⇒ 4142X324 | 1 | CYLINDER HEAD COVER | |
| 3 | └─ 3681A055 | | 1 | GASKET - CYL. HEAD COVER | |
| 4 | └─ 2161A013 | | 10 | SCREW | |
| 5 | └─ 3174A017 | | 1 | SPRING | |
| 6 | └─ 3788A002 | | 1 | CAP | |
| 7 | └─ 3789A001 | | 1 | DIAPHRAGM | |
| 8 | └─ 3615A009 | | 1 | COVER PLATE | |
| 9 | └─ 2151A001 | | 4 | SCREW | |
| 10 | └─ 3788A003 | | 1 | CAP | |
| 11 | └─ 4142X099 | | 1 | OIL FILLER CAP | |
| 12 | └─ | ⇒ 4142X099 | 1 | OIL FILLER CAP | |
| 13 | └─ 2415A131 | | 1 | SEAL - O RING | |

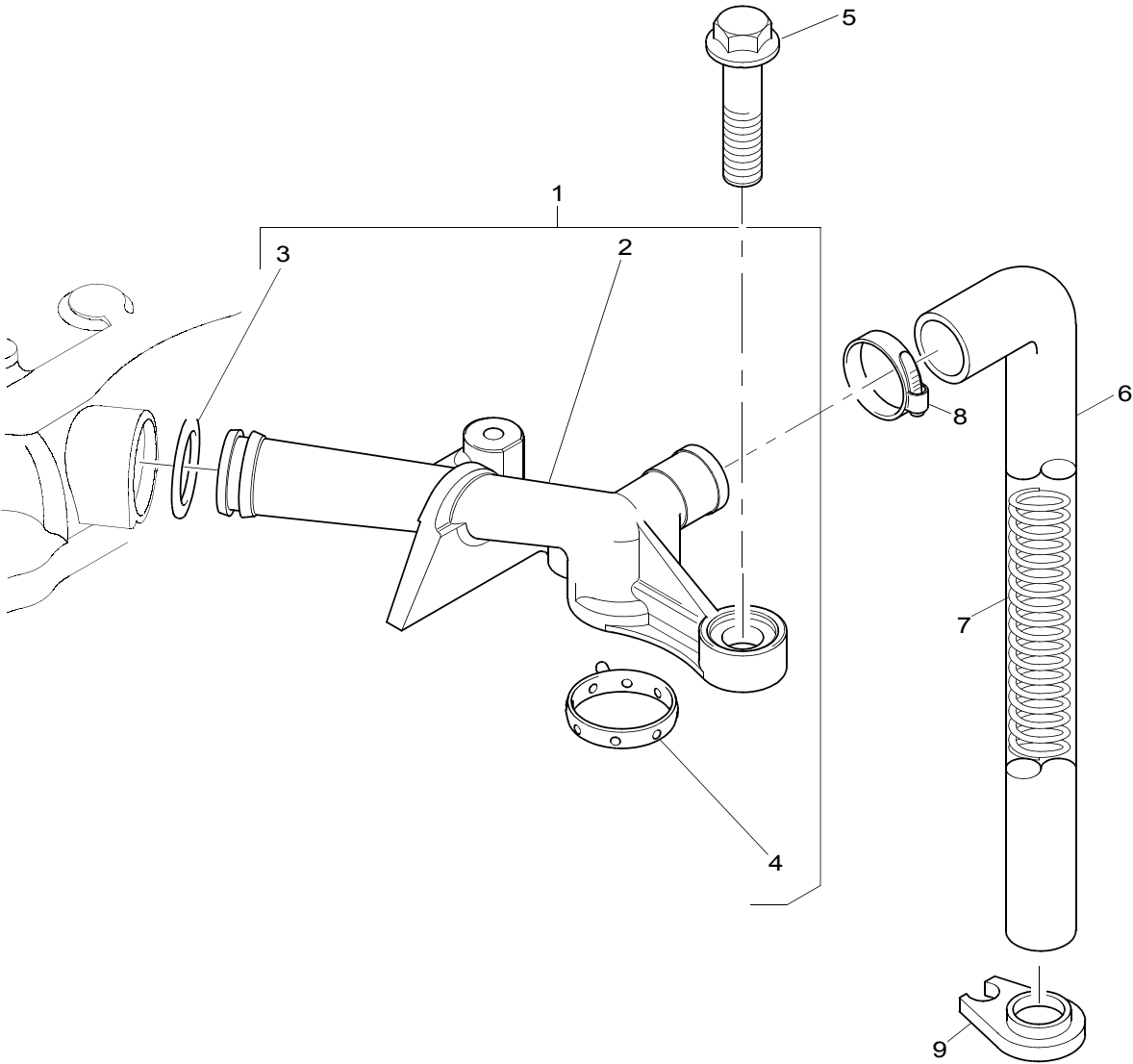
HBH03340



| | | |
|----------------------------|--|-----------------|
| Cylinder Head Cover | | Plate B |
| | | HBH03340 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3788N003 | | 1 | COVER | |
| 2 | 2314F003 | | 3 | SCREW | |

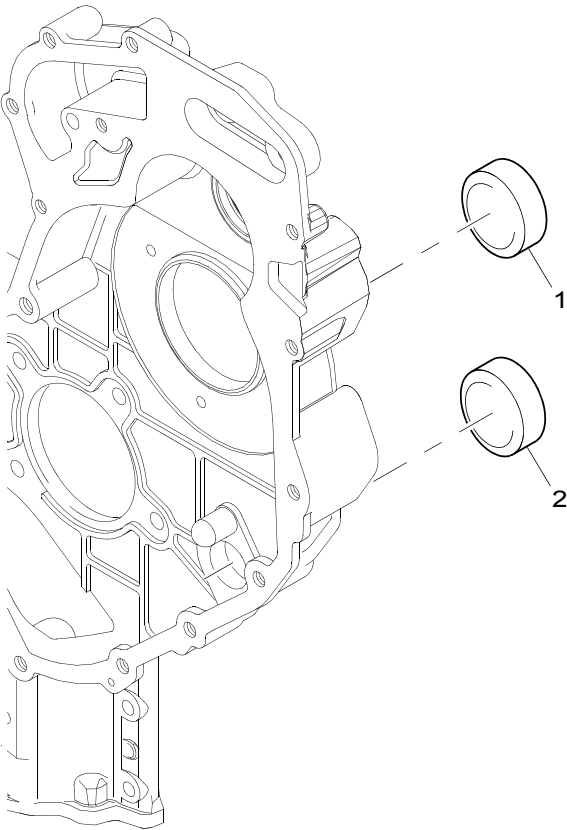
HBH03340



| | | |
|-----------------|--|-----------------|
| Breather | | Plate A |
| | | HBH03340 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|-----------------|-------|
| 1 | 4134K022 | | 1 | PIPE - BREATHER | |
| 2 | └─ | ⇒ 4134K022 | 1 | PIPE - BREATHER | |
| 3 | └─ 2415A068 | | 1 | SEAL - O RING | |
| 4 | └─ 2415H701 | | 1 | SEAL - O RING | |
| 5 | 2314F005 | | 2 | SCREW | |
| 6 | 33872639 | | 1 | HOSE | |
| 7 | 3175P003 | | 1 | SPRING | |
| 8 | 2481877 | | 1 | HOSE CLIP | |
| 9 | 36241123 | | 1 | SUPPORT BRACKET | |

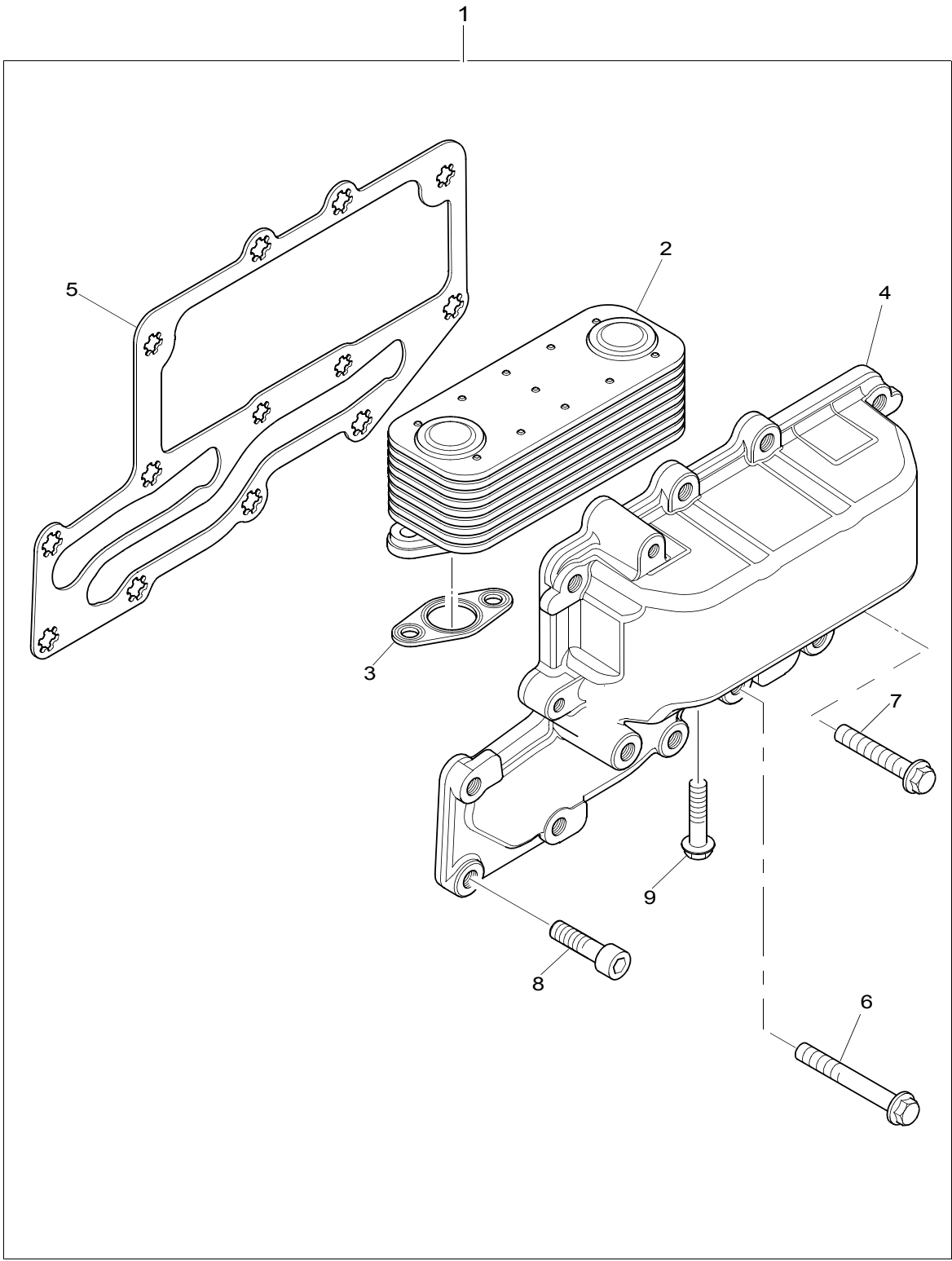
HDH00044



| | | |
|------------------------|--|-----------------|
| Blanking Plates | | Plate A |
| | | HDH00044 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2485A124 | | 1 | PLUG | |
| 2 | 2485A118 | | 1 | PLUG | |

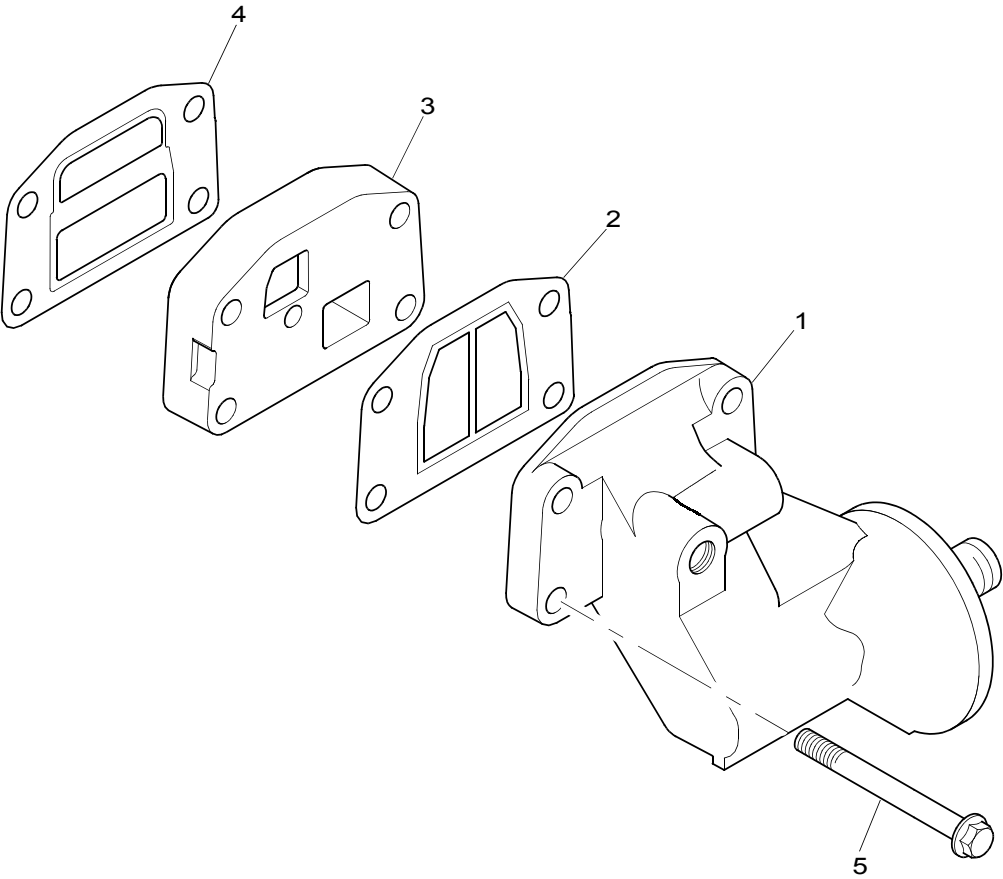
JBH02641



| | | |
|-------------------|--|-----------------|
| Oil Cooler | | Plate A |
| | | JBH02641 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|------------|------------|------|---------------------|-------|
| 1 | 4134W021 | | 1 | OIL COOLER | |
| 2 | └ 2486A217 | | 1 | OIL COOLER | |
| 3 | └ 3685A025 | | 2 | GASKET - OIL COOLER | |
| 4 | └ | ⇒ 4134W021 | 1 | HOUSING | |
| 5 | └ 3685A033 | | 1 | GASKET - OIL COOLER | |
| 6 | └ 2314K161 | | 3 | SCREW | |
| 7 | └ 2314H004 | | 8 | SCREW | |
| 8 | └ 2311D060 | | 2 | SCREW | |
| 9 | └ 2314H006 | | 4 | SCREW | |

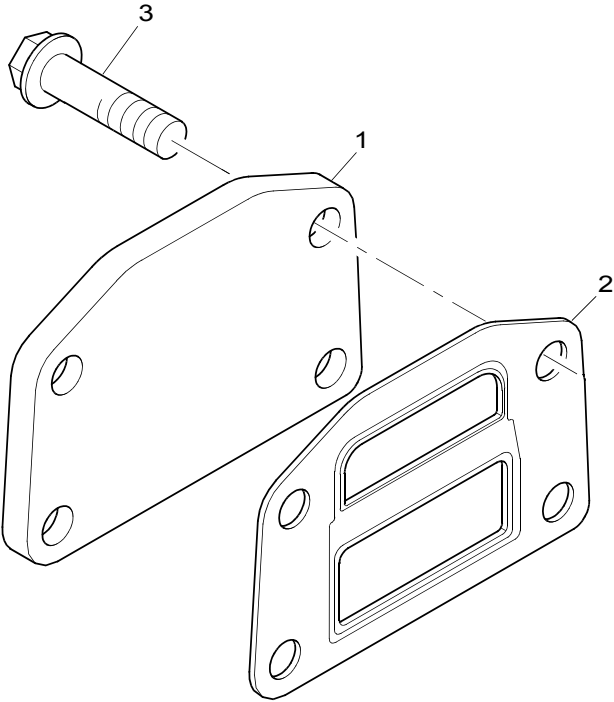
JBH02641



| | | |
|-------------------|--|-----------------|
| Oil Filter | | Plate A |
| | | JBH02641 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------------|--------------|
| 1 | 3773A071 | | 1 | OIL FILTER HEAD | |
| 2 | 3688A041 | | 1 | GASKET - OIL FILTER HEAD | |
| 3 | 3773A081 | | 1 | ADAPTOR | |
| 4 | 3688A039 | | 1 | GASKET - OIL FILTER HEAD | |
| 5 | 2314H038 | | 4 | SCREW | |

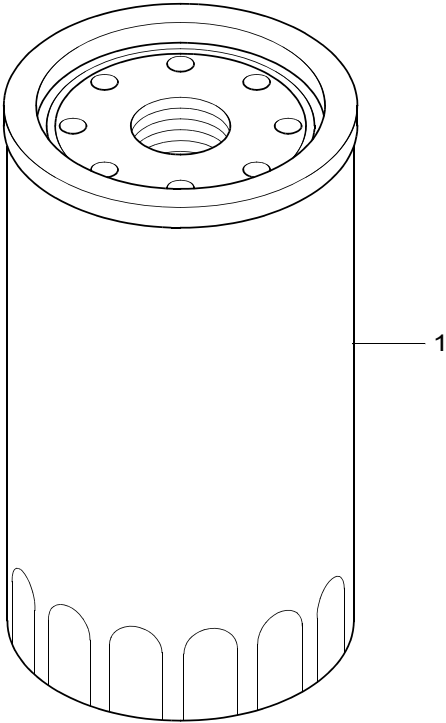
JBH02641



| | | |
|------------------------|--|-----------------|
| Blanking Plates | | Plate A |
| | | JBH02641 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|------------|------|--------------------------|-------|
| 1 | 3623A009 | | 1 | BLANKING PLATE | |
| 2 | 3688A039 | | 1 | GASKET - OIL FILTER HEAD | |
| 3 | 2314H033 | | 4 | SCREW | |

JDH00044

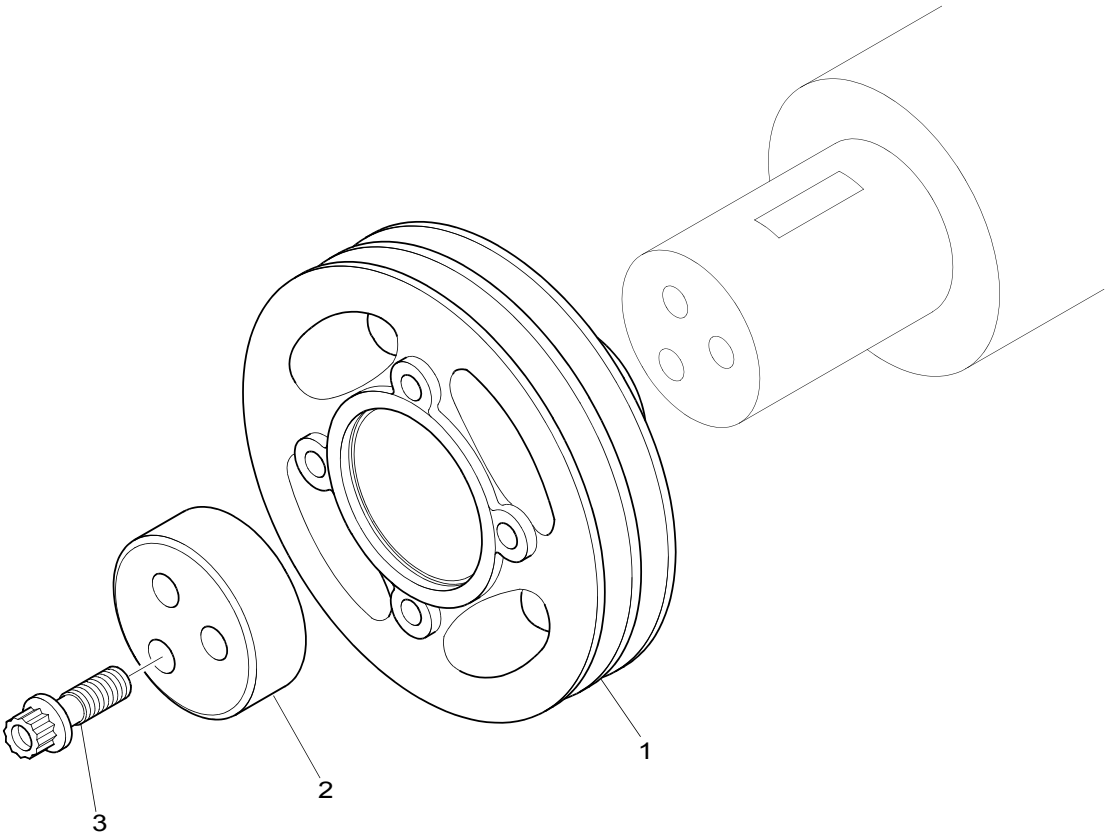


| | | |
|-------------------|--|-----------------|
| Oil Filter | | Plate A |
| | | JDH00044 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2654407 | | 1 | OIL FILTER | |

→ U056074T

KBH00728

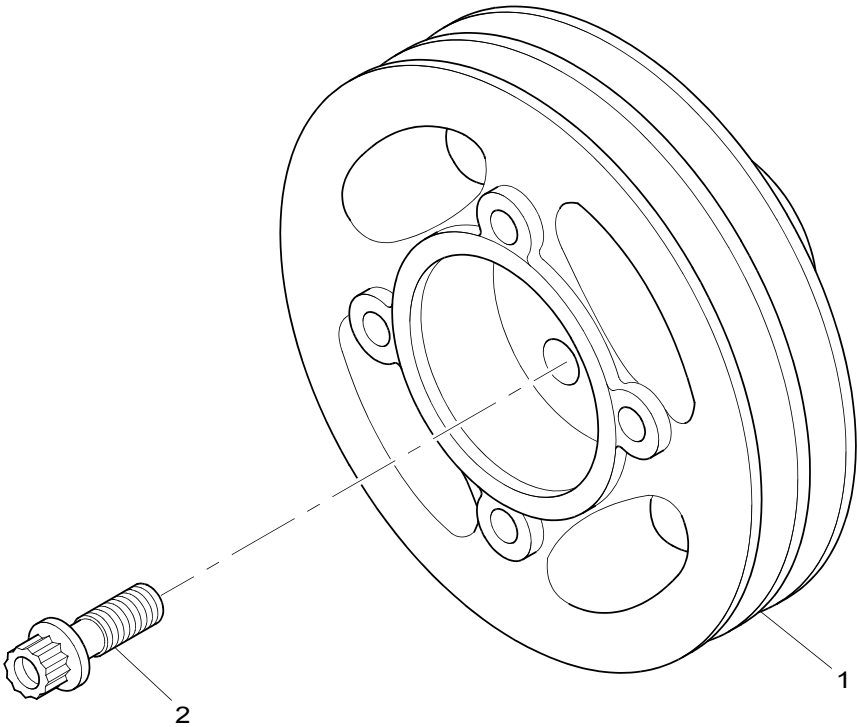


| | | |
|------------------------------|--|----------------|
| Front End Drive Input | | Plate A |
| → U056074T | | KBH00728 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|------------|------|-------------------|-------|
| 1 | 3115T081 | | 1 | CRANKSHAFT PULLEY | |
| 2 | 3241N001 | | 1 | BLOCK | |
| 3 | 32186137 | | 3 | BOLT | |

↳ U056075T

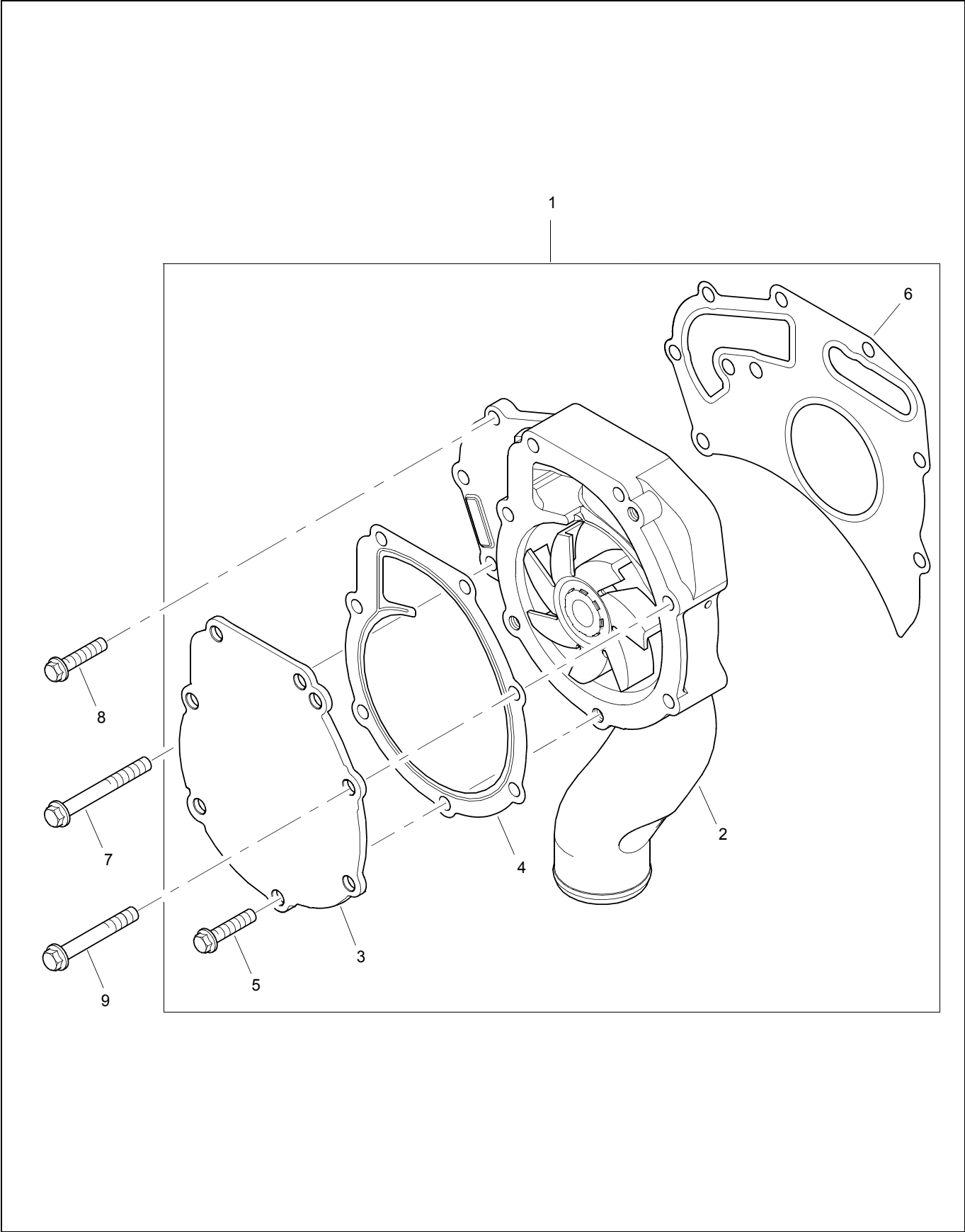
KBH00774






| | | |
|------------------------------|--|-----------------|
| Front End Drive Input | | Plate A |
| ↳ U056075T | | KBH00774 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3115A151 | | 1 | CRANKSHAFT PULLEY | |
| 2 | 32186146 | | 3 | BOLT | |

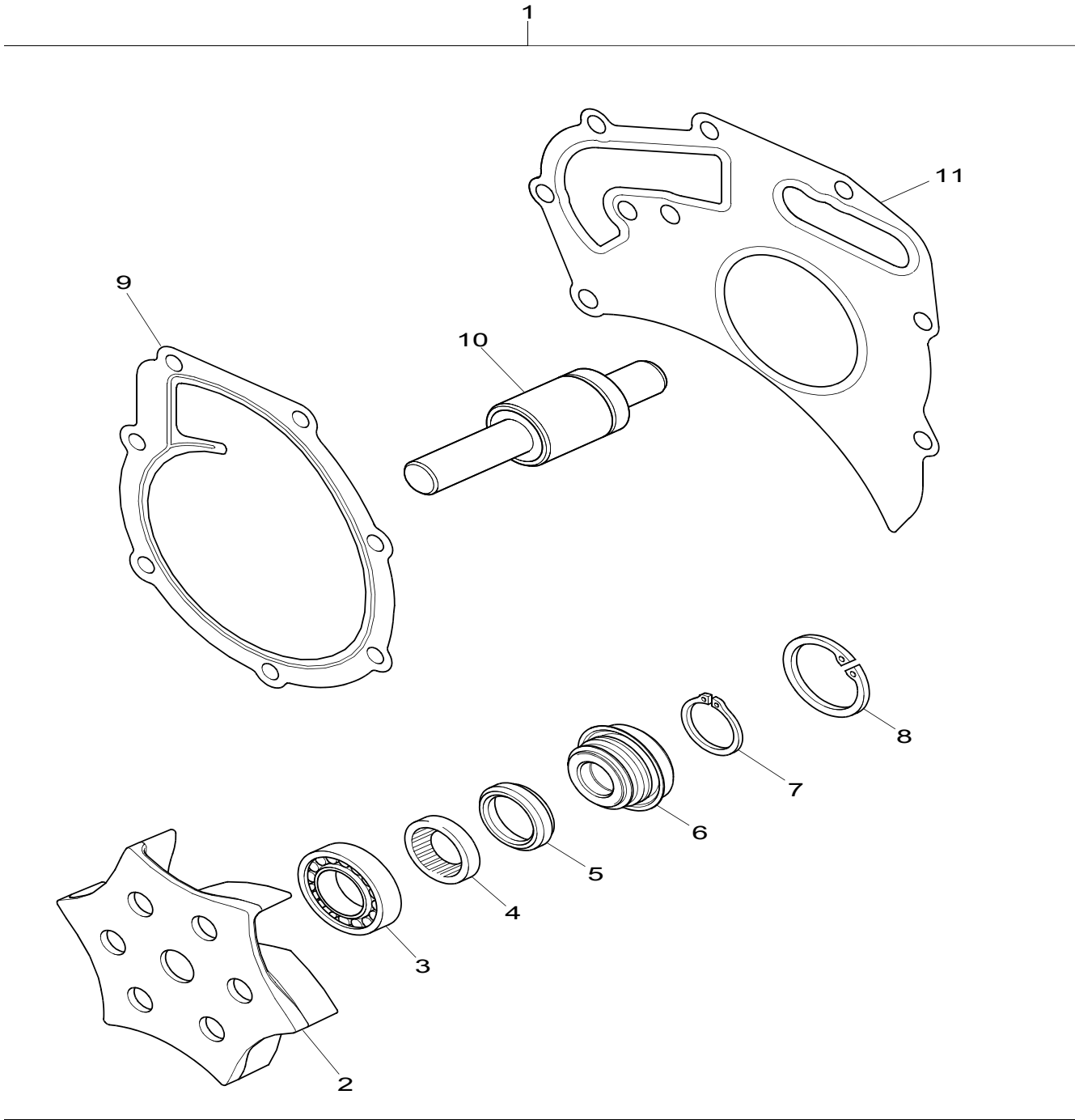
LBH02288



| | |
|-------------------|-----------------|
| Water Pump | Plate A |
| | LBH02288 |

| Item | Part No. | References | Qty. | Description | Notes |
|----------------|----------|--------------------------------------------------------------------------------------------|------|---------------------|-------|
| 1 | U5MW0206 |  a. | 1 | WATER PUMP KIT | |
| 2 | |  U5MW0206 | 1 | WATER PUMP | |
| 3 | |  U5MW0206 | 1 | WATER PUMP COVER | |
| 4 | 24880234 | | 1 | GASKET - WATER PUMP | |
| 5 | 2314H743 | | 3 | SCREW | |
| 6 | 3682A011 | | 1 | GASKET - WATER PUMP | |
| 7 | 2314K164 | | 2 | SCREW | |
| 8 | 2314H005 | | 2 | SCREW | |
| 9 | 2314H012 | | 5 | SCREW | |
| History | | | | | |
| a. | | | | | |
| 1 | U5MW0194 | | 1 | WATER PUMP KIT | |

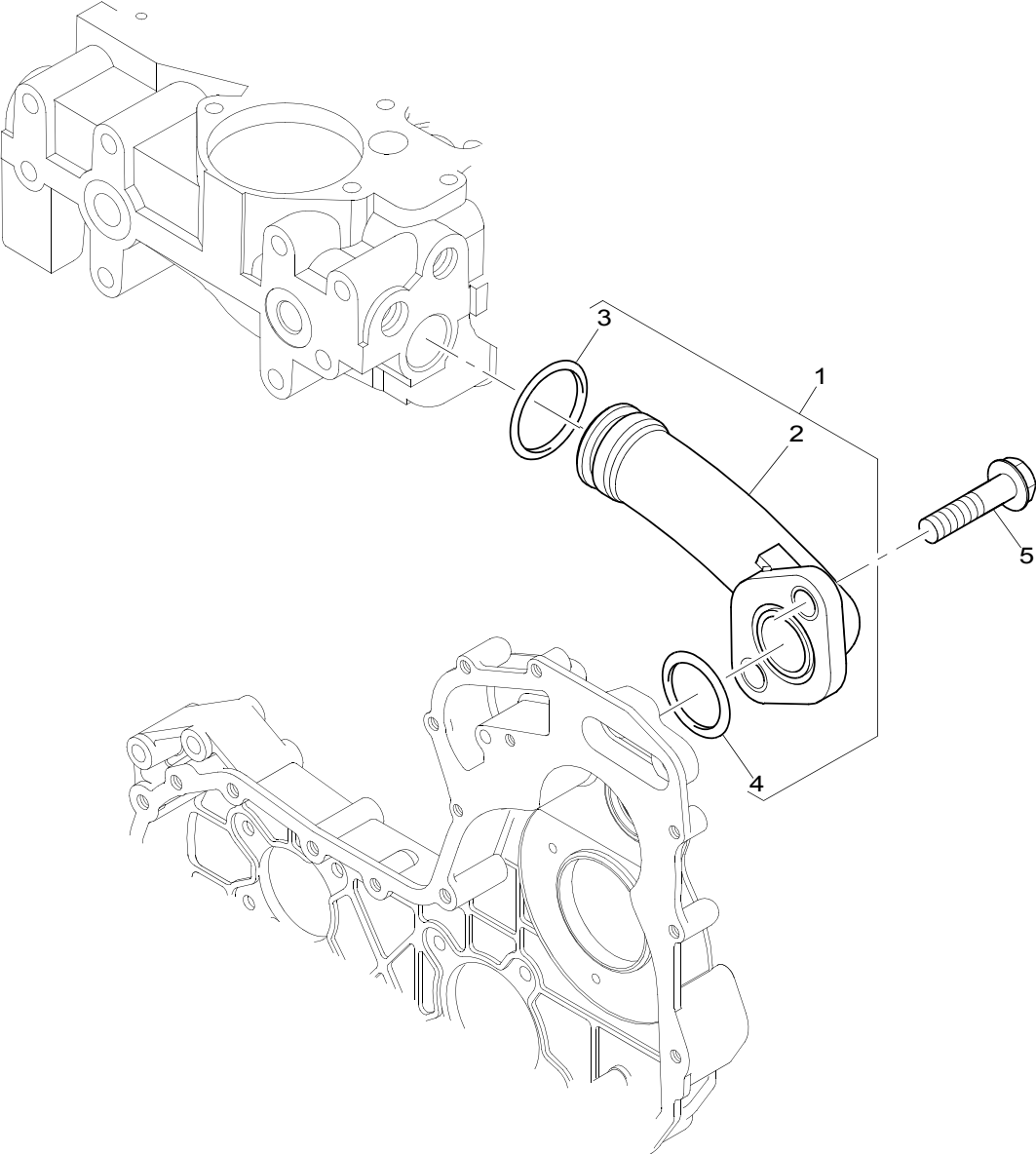
LBH02288



| | | |
|-------------------|--|-----------------|
| Water Pump | | Plate B |
| | | LBH02288 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|------------|------------|------|-------------------------|-------|
| 1 | U7LW0172 | | 1 | REPAIR KIT - WATER PUMP | |
| 2 | └─ | ⇒ U7LW0172 | 1 | IMPELLER | |
| 3 | └─ | ⇒ U7LW0172 | 1 | ROLLER BEARING | |
| 4 | └─ | ⇒ U7LW0172 | 1 | BEARING | |
| 5 | └─ | ⇒ U7LW0172 | 1 | SEAL - OIL | |
| 6 | └─ | ⇒ U7LW0172 | 1 | SEAL | |
| 7 | └─ | ⇒ U7LW0172 | 1 | CIRCLIP | |
| 8 | └─ | ⇒ U7LW0172 | 1 | CIRCLIP | |
| 9 | └─24880234 | | 1 | GASKET - WATER PUMP | |
| 10 | └─ | ⇒ U7LW0172 | 1 | DRIVE SHAFT | |
| 11 | └─3682A011 | | 1 | GASKET - WATER PUMP | |

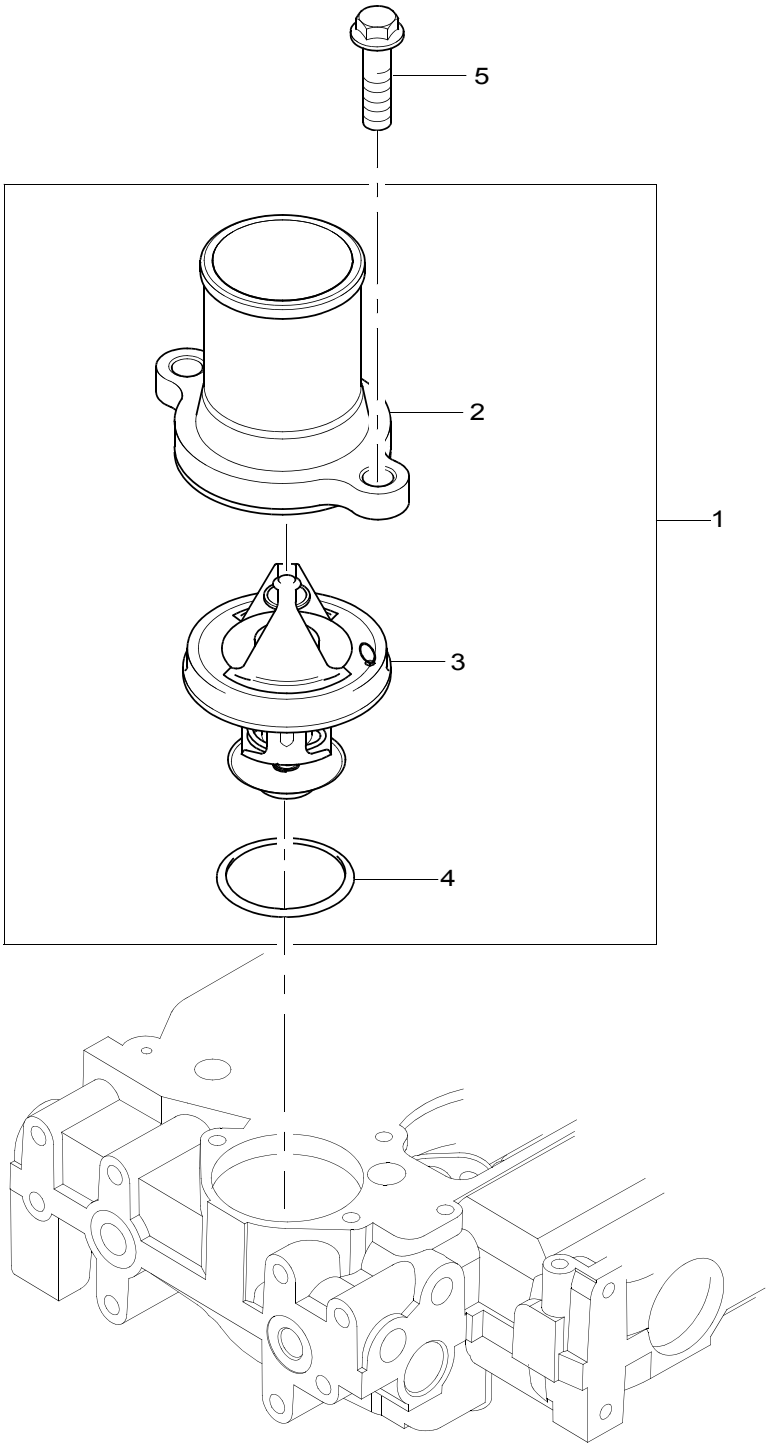
LBH02288



| | | |
|--------------|--|-----------------|
| Pipes | | Plate A |
| | | LBH02288 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|------------|------|---------------|-------|
| 1 | 4133L048 | | 1 | CONNECTION | |
| 2 | | ⇒ 4133L048 | 1 | CONNECTION | |
| 3 | 2418F002 | | 1 | SEAL - O RING | |
| 4 | 2418F001 | | 1 | SEAL - O RING | |
| 5 | 2314H003 | | 2 | SCREW | |

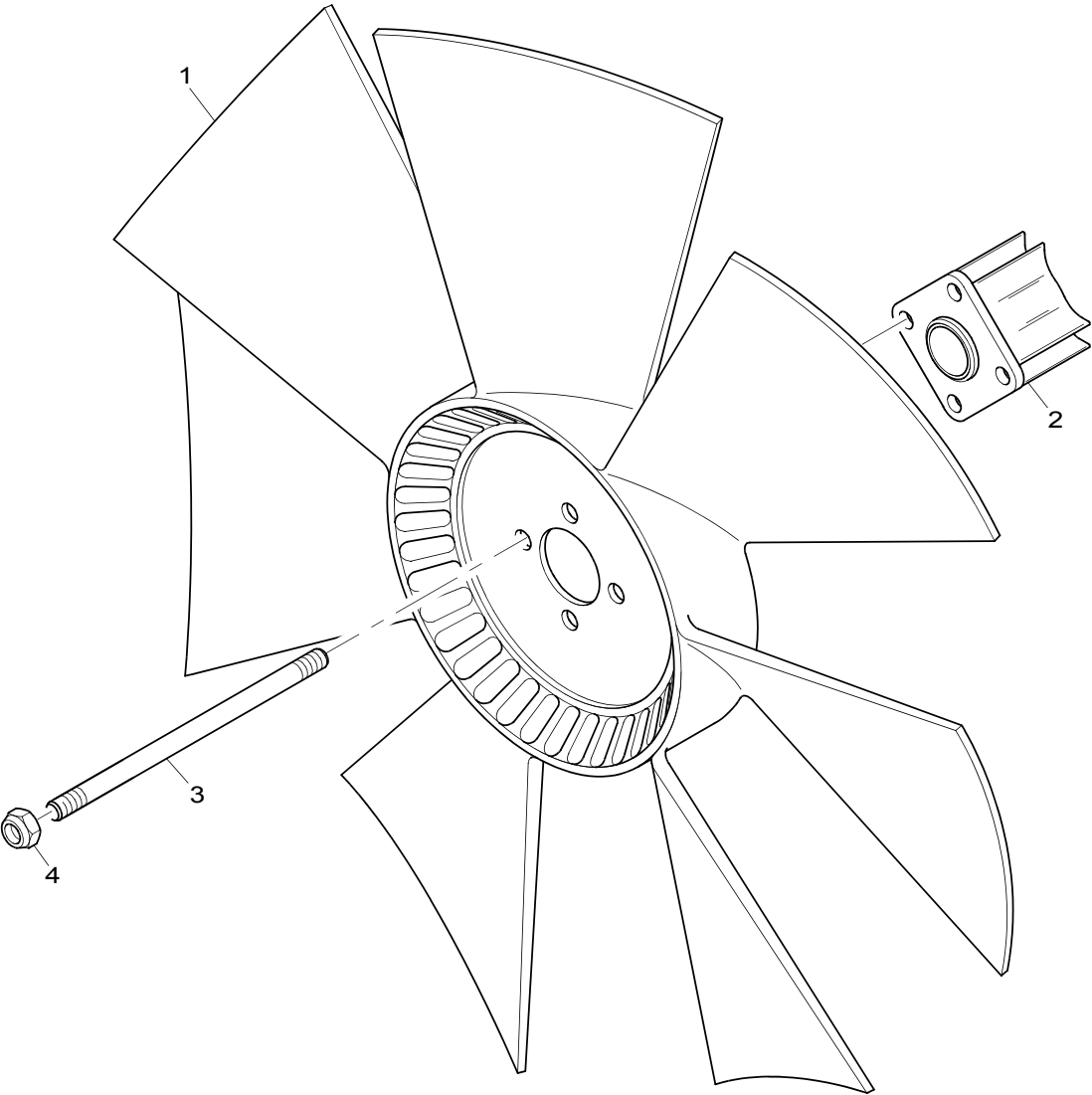
LDH00718



| | | |
|-----------------------------|--|-----------------|
| Water Outlet Housing | | Plate A |
| | | LDH00718 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|------------|------|---------------------------|-------|
| 1 | 4133L507 | | 1 | THERMOSTAT ASSEMBLY | |
| 2 | | ⇒ 4133L507 | 1 | CONNECTION | |
| 3 | | ⇒ 4133L507 | 1 | THERMOSTAT | |
| 4 | 2415H219 | | 1 | SEAL - THERMOSTAT HOUSING | |
| 5 | 2314H004 | | 2 | SCREW | |

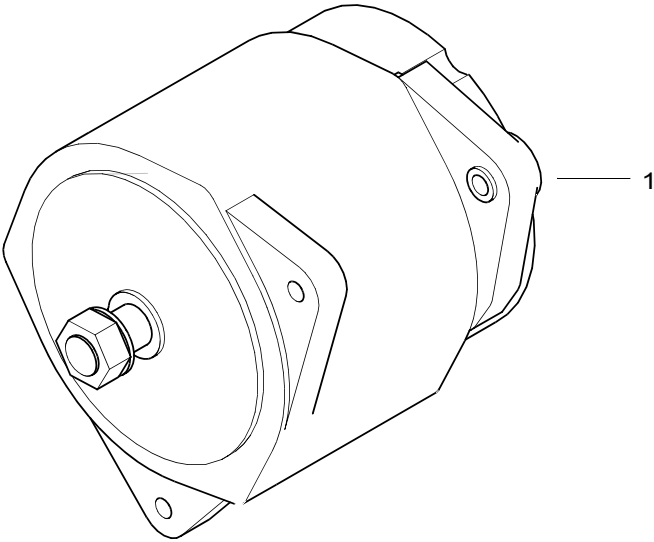
MDH01432




| | | |
|------------|--|-----------------|
| Fan | | Plate A |
| | | MDH01432 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2485C520 | | 1 | FAN | |
| 2 | 3748W242 | | 1 | EXTENSION | |
| 3 | 2313H236 | | 4 | STUD | |
| 4 | 2318D208 | | 4 | NUT | |

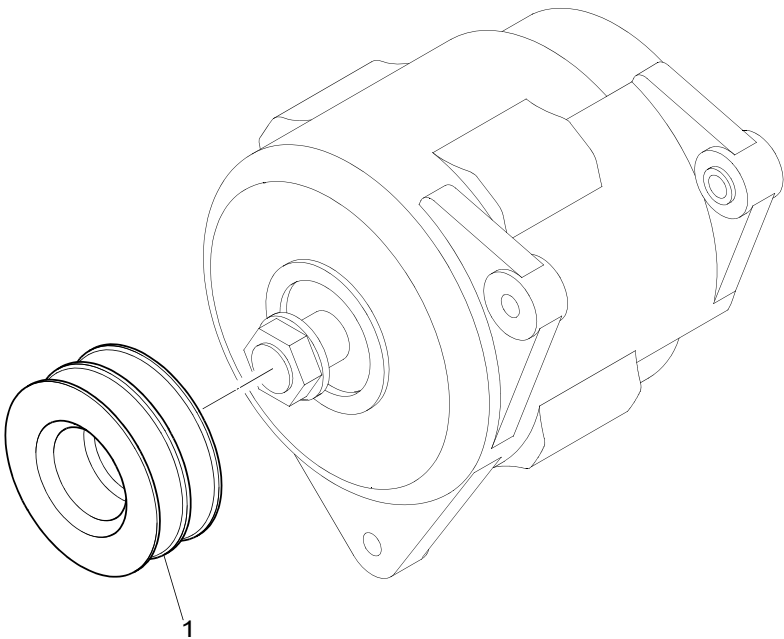
NDH02882



| | | |
|-------------------|--|-----------------|
| Alternator | | Plate A |
| | | NDH02882 |

| Item | Part No. | References | Qty. | Description | Notes |
|----------------|-----------------|--------------------------------------------------------------------------------------|-------------|--------------------|--------------|
| 1 | 2871A704 |  a. | 1 | ALTERNATOR | |
| History | | | | | |
| a. | | | | | |
| 1 | 2871A701 | | 1 | ALTERNATOR | |

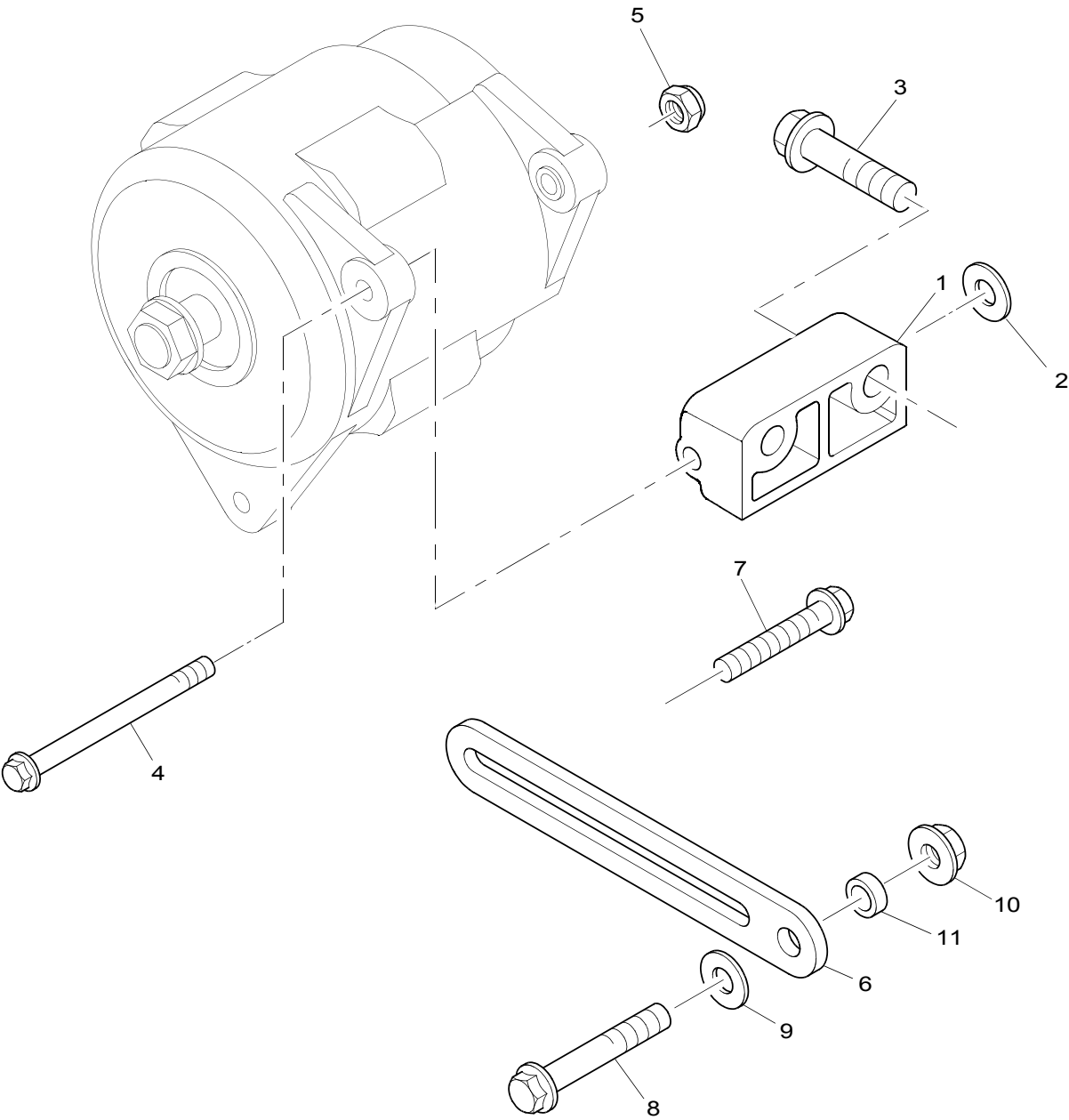
NDH02882



| | | |
|----------------|--|-----------------|
| Pulleys | | Plate A |
| | | NDH02882 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------------|--------------|
| 1 | 3115A121 | | 1 | 2 GROOVE ALTERNATOR PUL- | |

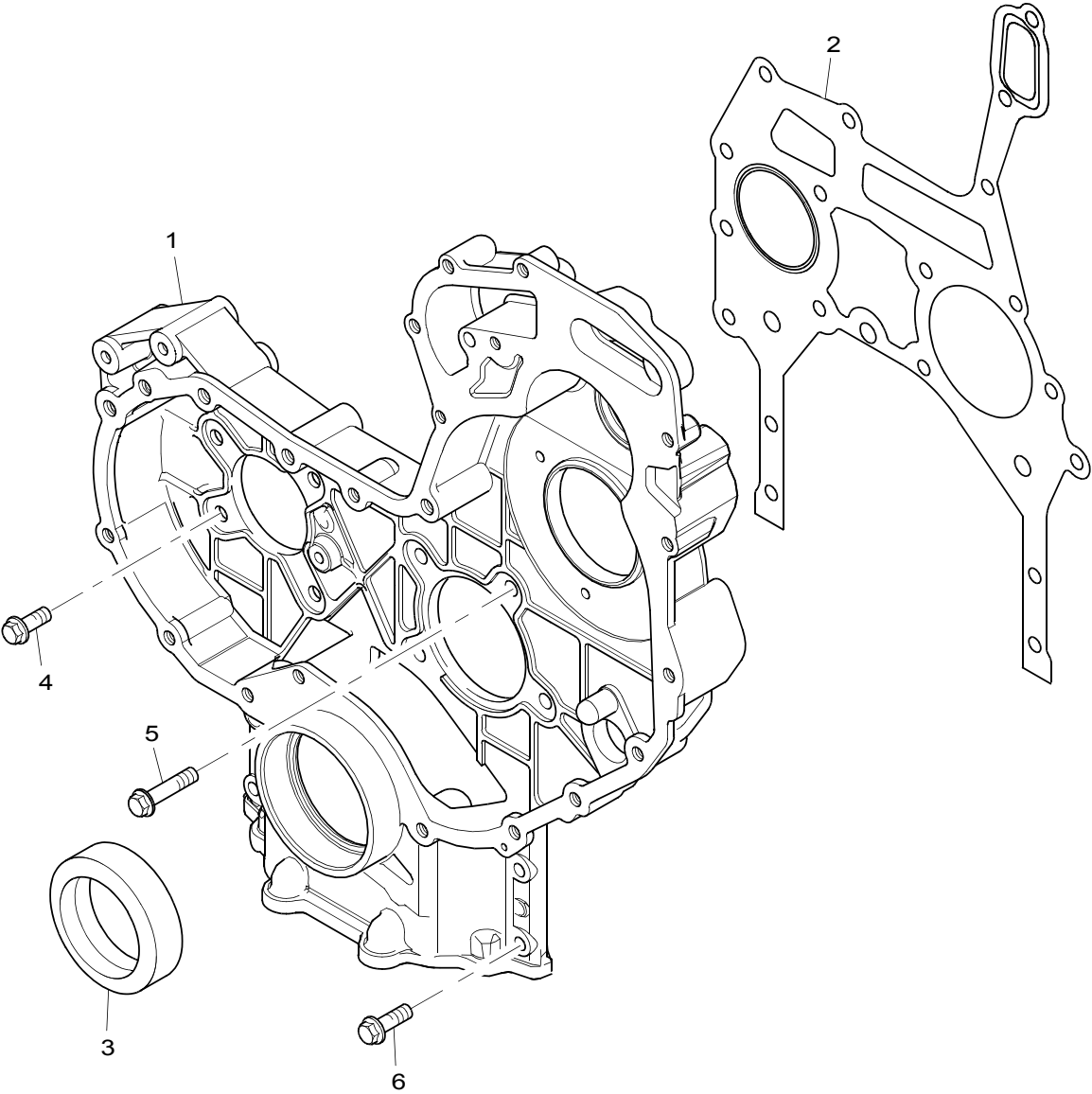
NDH02882



| | | |
|-----------------------------------------|--|-----------------|
| Alternator Bracket & Fixings | | Plate A |
| | | NDH02882 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3824A071 | | 1 | ALTERNATOR BRACKET | |
| 2 | 0920497 | | 1 | WASHER | |
| 3 | 2314J007 | | 2 | SCREW | |
| 4 | 2314H022 | | 1 | SCREW | |
| 5 | 2318D208 | | 1 | NUT | |
| 6 | 36155429 | | 1 | LEVER | |
| 7 | 2314H004 | | 1 | SCREW | |
| 8 | 2314J012 | | 1 | SCREW | |
| 9 | 0920497 | | 1 | WASHER | |
| 10 | 2318A604 | | 1 | NUT | |
| 11 | 0920465 | | 1 | SPACER | |

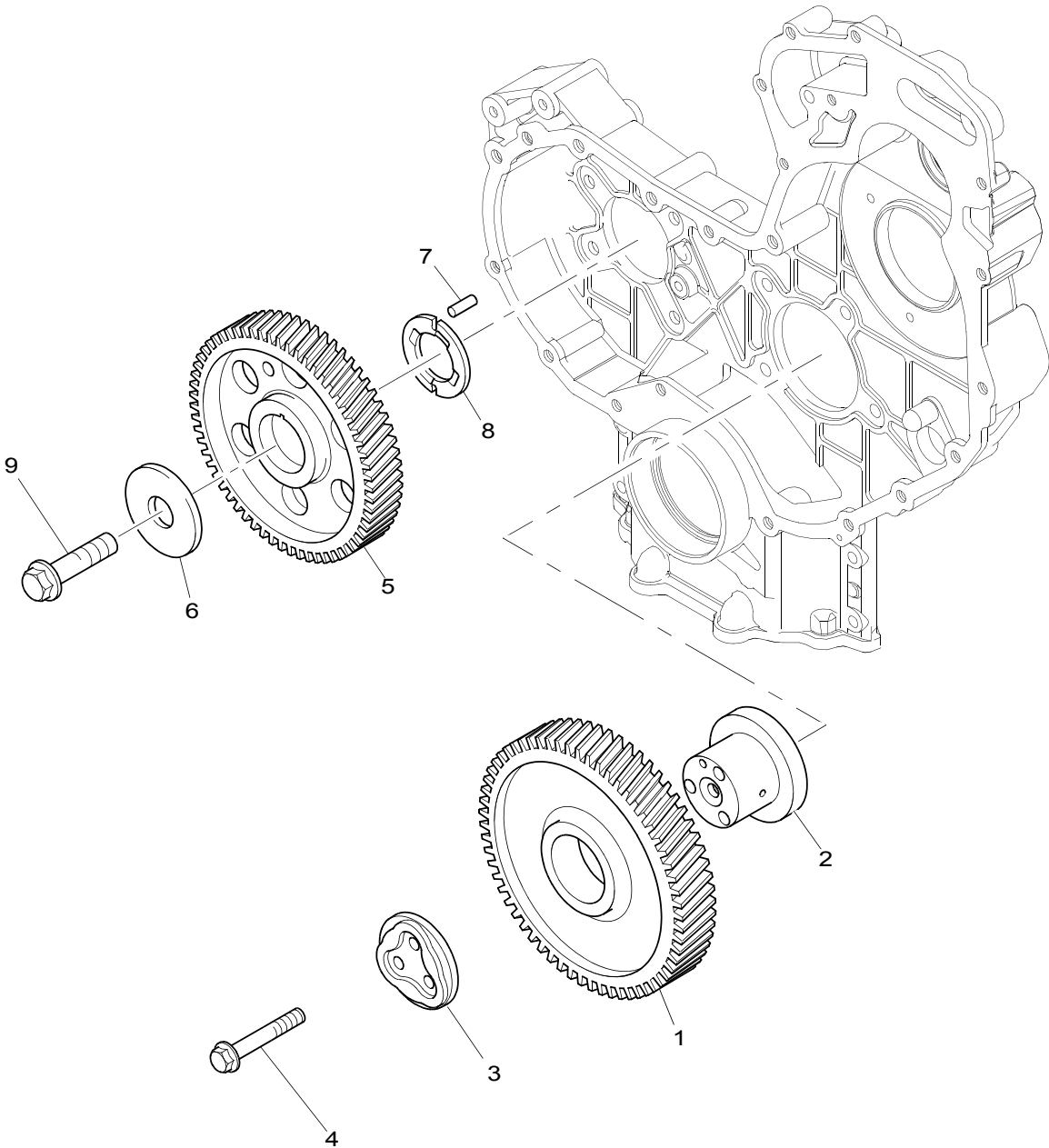
QCH00060






| | | |
|--------------------|--|-----------------|
| Timing Case | | Plate A |
| | | QCH00060 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|----------------------|--------------|
| 1 | 3716C561 | | 1 | TIMING CASE | |
| 2 | 3681P053 | | 1 | GASKET - TIMING CASE | |
| 3 | 2418F437 | | 1 | SEAL - FRONT END OIL | |
| 4 | 2314H003 | | 6 | SCREW | |
| 5 | 2314H006 | | 2 | SCREW | |
| 6 | 2314H034 | | 4 | SCREW | |

QCH00060



| | | |
|-------------|--|----------|
| Timing Case | | Plate B |
| | | QCH00060 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------|----------------------------------------------------------------------------------------------------|------|---------------|-------|
| 1 | 3117N061 | → U038920S  a. | 1 | IDLER GEAR | (A) |
| 2 | 3311A054 |  b. | 1 | HUB | |
| 3 | 3272A033 | → U038920S  a. | 1 | PLATE | (B) |
| 4 | 2314J011 | | 3 | SCREW | |
| 5 | 3117N001 | | 1 | CAMSHAFT GEAR | |
| 6 | 3321A003 | | 1 | WASHER | |
| 7 | 2116053 | | 1 | DOWEL | |
| 8 | 3112X011 | | 1 | THRUST WASHER | |
| 9 | 2314J606 | | 1 | SCREW | |

History

a. → U038919S

| | | | | |
|---|----------|---|------------|-----|
| 1 | 4111A034 | 1 | IDLER GEAR | (C) |
| 3 | 3241A025 | 1 | PLATE | (D) |

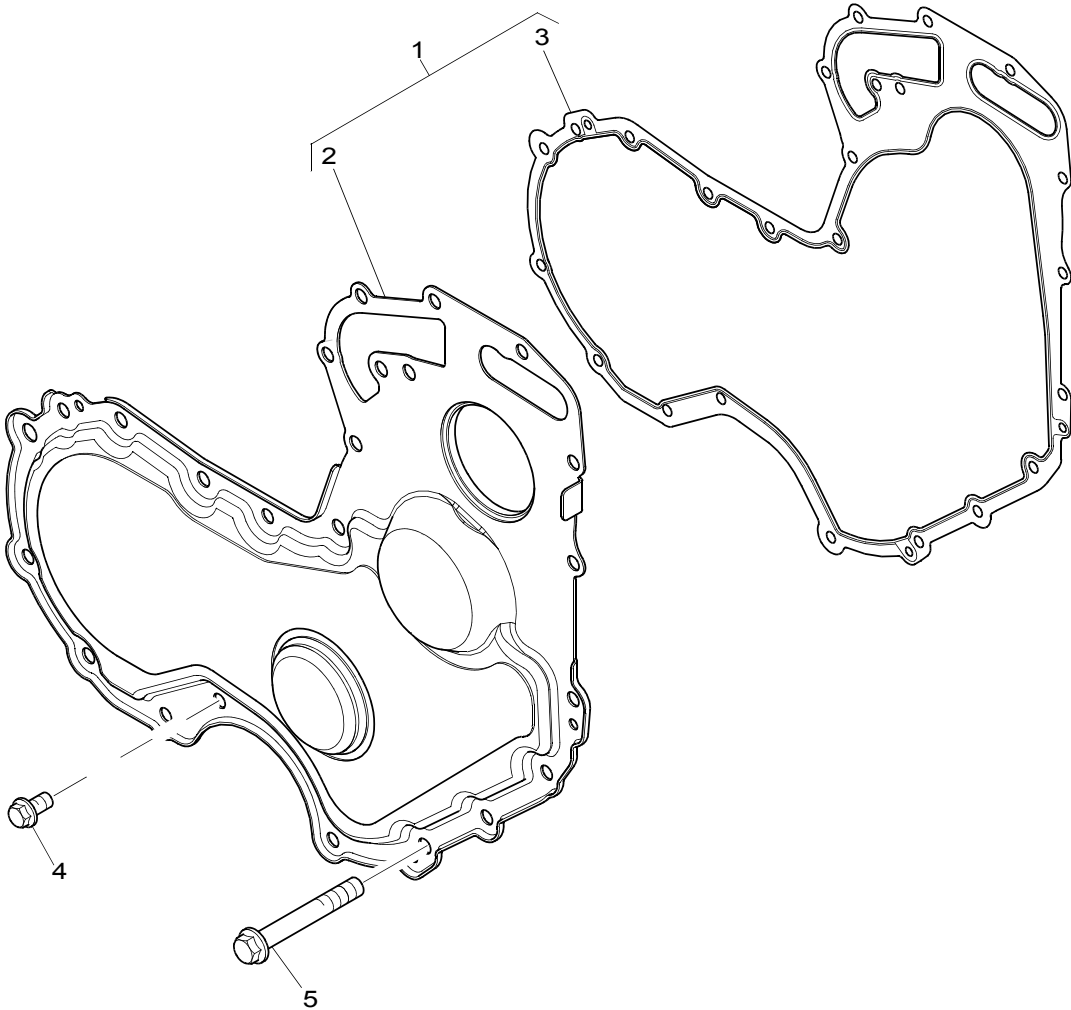
b.

| | | | | |
|---|----------|---|-----|--|
| 2 | 3272A041 | 1 | HUB | |
|---|----------|---|-----|--|

Footnotes

| | |
|-----|----------------------------------|
| (A) | USED ONLY WITH 3272A033 3311A054 |
| (B) | USED ONLY WITH 3117N061 |
| (C) | USED ONLY WITH 3241A025 |
| (D) | USED ONLY WITH 4111A034 |

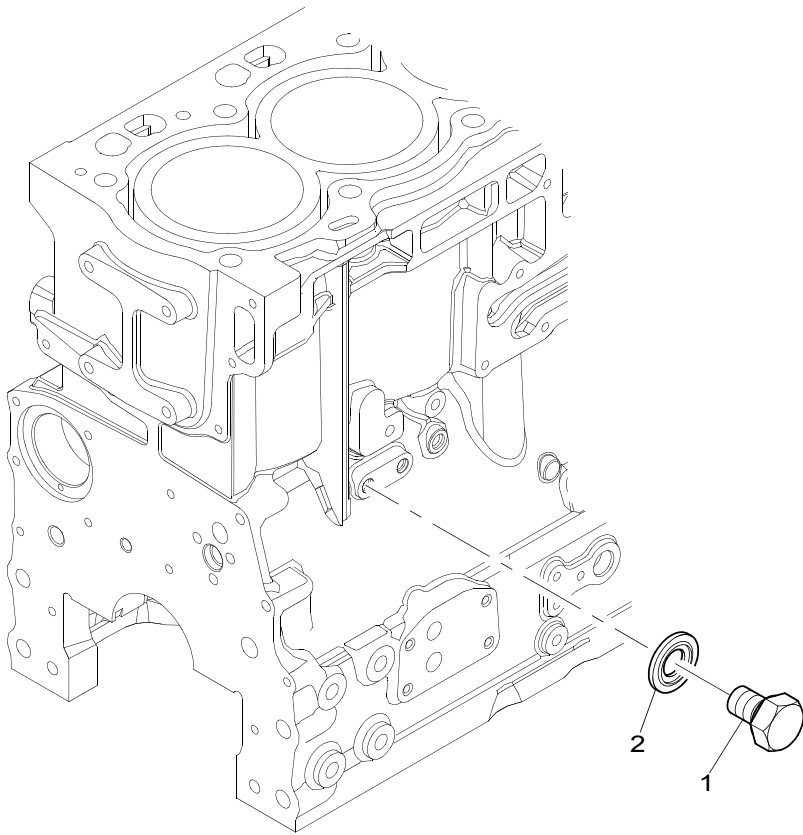
QCH00060



| | | |
|---------------------|--|-----------------|
| Timing Cover | | Plate A |
| | | QCH00060 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-----------|------------|------|----------------------------|-------|
| 1 | 4142A503 | | 1 | FRONT COVER KIT | |
| 2 | └ | ⇒ 4142A503 | 1 | TIMINGGEAR COVER | |
| 3 | └3681P046 | | 1 | GASKET - TIMING CASE COVER | |
| 4 | 2314H002 | | 10 | SCREW | |
| 5 | 2314H012 | | 5 | SCREW | |

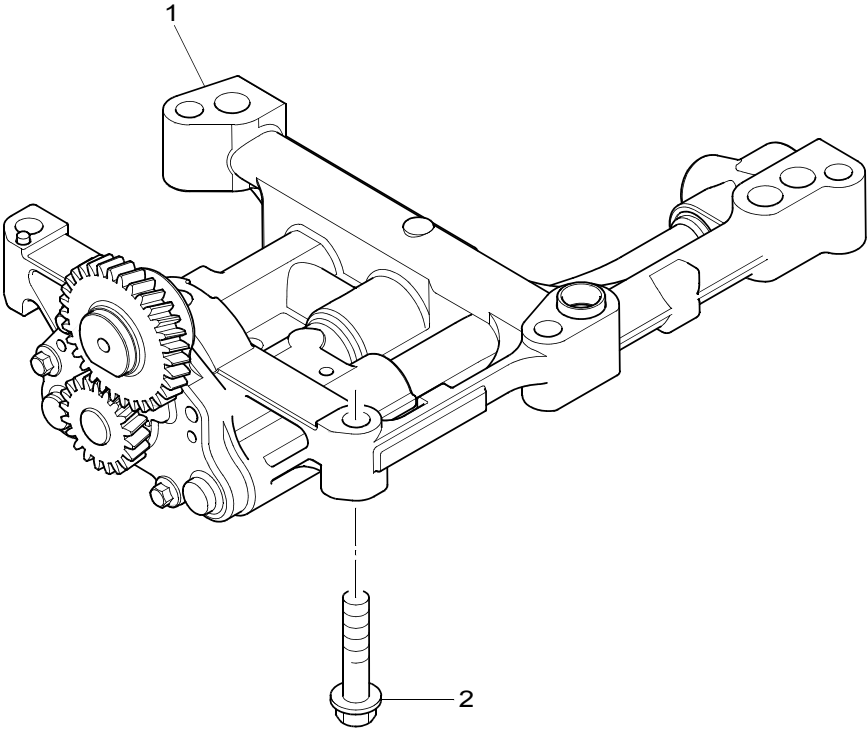
QDH01434



| | | |
|-----------------------|--|-----------------|
| Blanking Plugs | | Plate A |
| | | QDH01434 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2314C049 | | 1 | SCREW | |
| 2 | 2415D053 | | 1 | WASHER | |

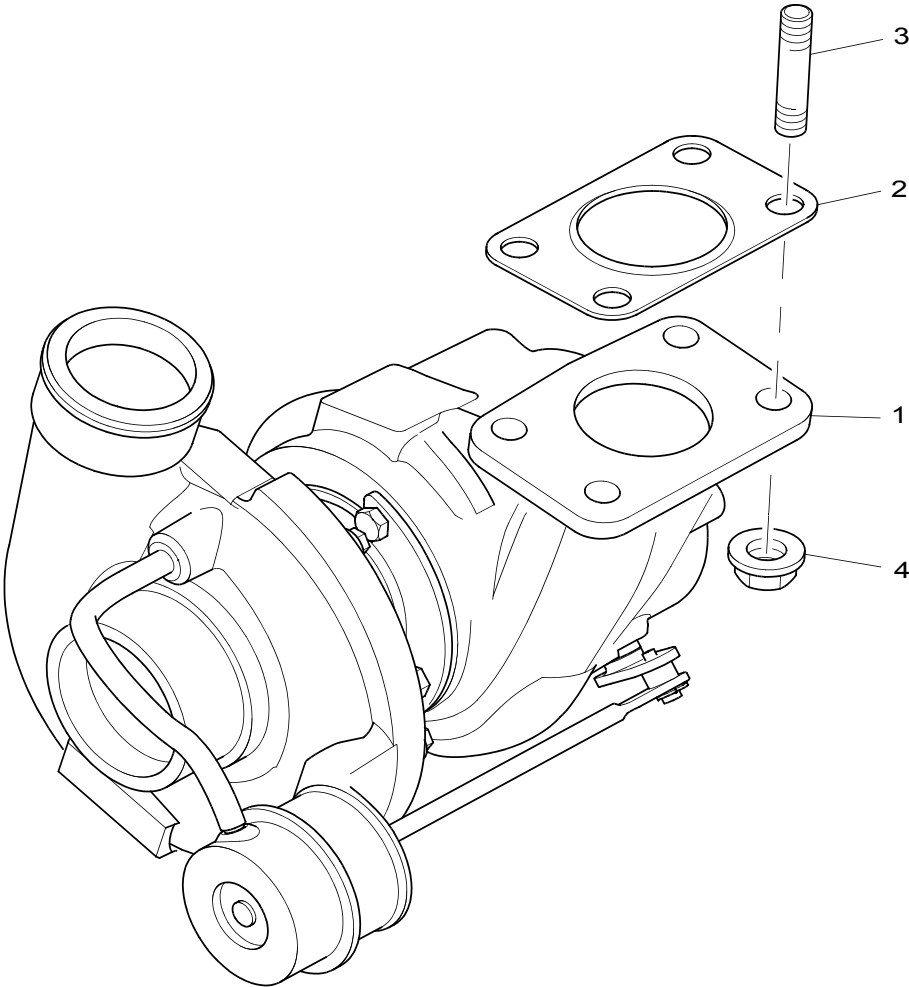
RBH00034




| | | |
|----------------------------------------------------|-----------------|----------------|
| Lubricating Oil Pump & Delivery Housing | | Plate A |
| | RBH00034 | |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 4132F071 | | 1 | OIL PUMP | |
| 2 | 2314J008 | | 5 | SCREW | |

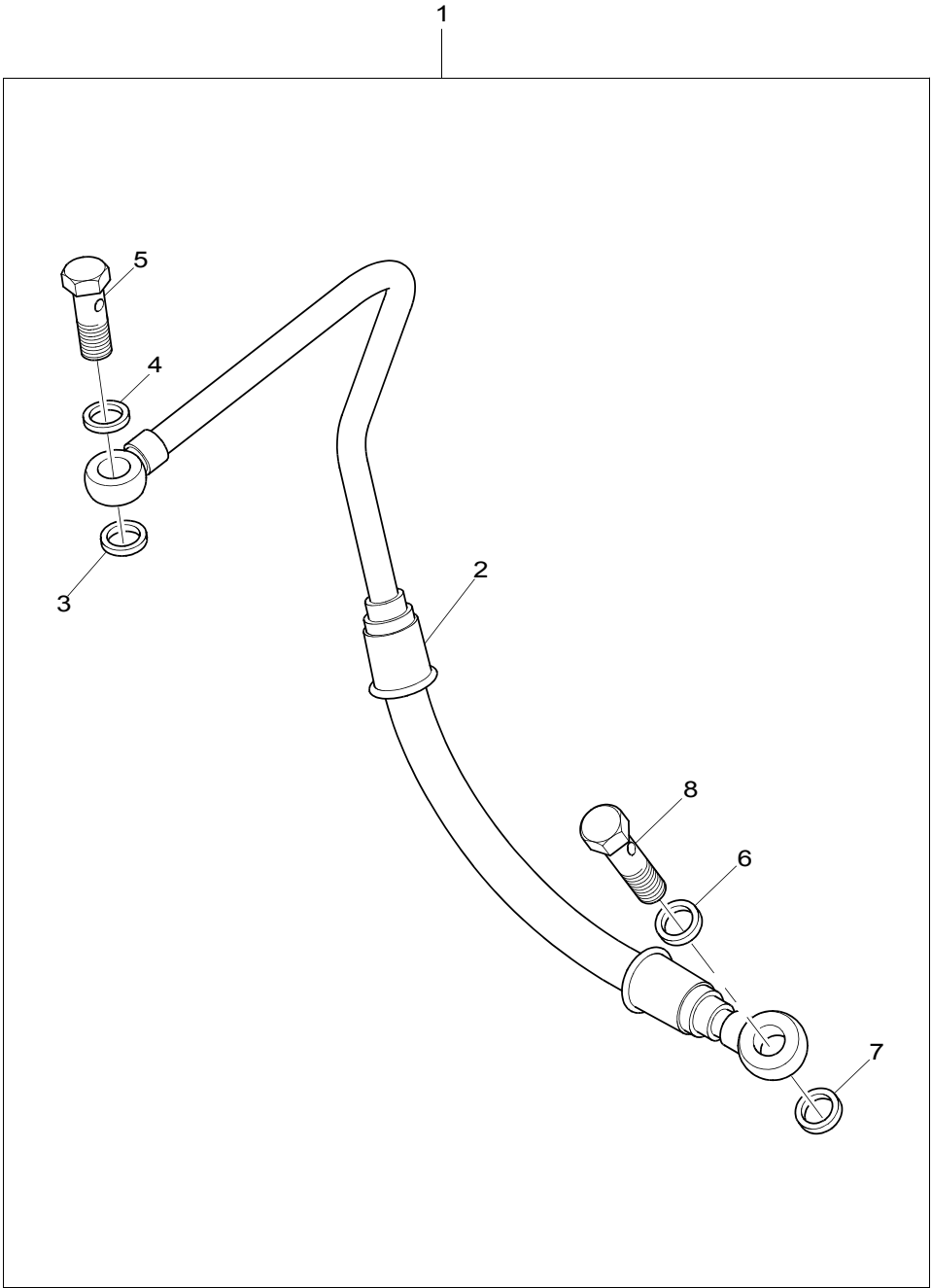
SBH01948



| | | |
|---------------------|--|-----------------|
| Turbocharger | | Plate A |
| | | SBH01948 |

| Item | Part No. | References | Qty. | Description | Notes |
|-----------------|-----------|-----------------------------------------------------------------------------------|------|-------------------------|-------|
| 1 | 2674A836 |  | 1 | TURBOCHARGER | |
| 2 | 3688A029 | | 1 | GASKET - TURBOCHARGER | |
| 3 | 2313M377 | | 4 | STUD | |
| 4 | 2318A634 | | 4 | NUT | |
| Service Options | | | | | |
| 1 | 2674A836R | | 1 | TURBOCHARGER - EXCHANGE | |

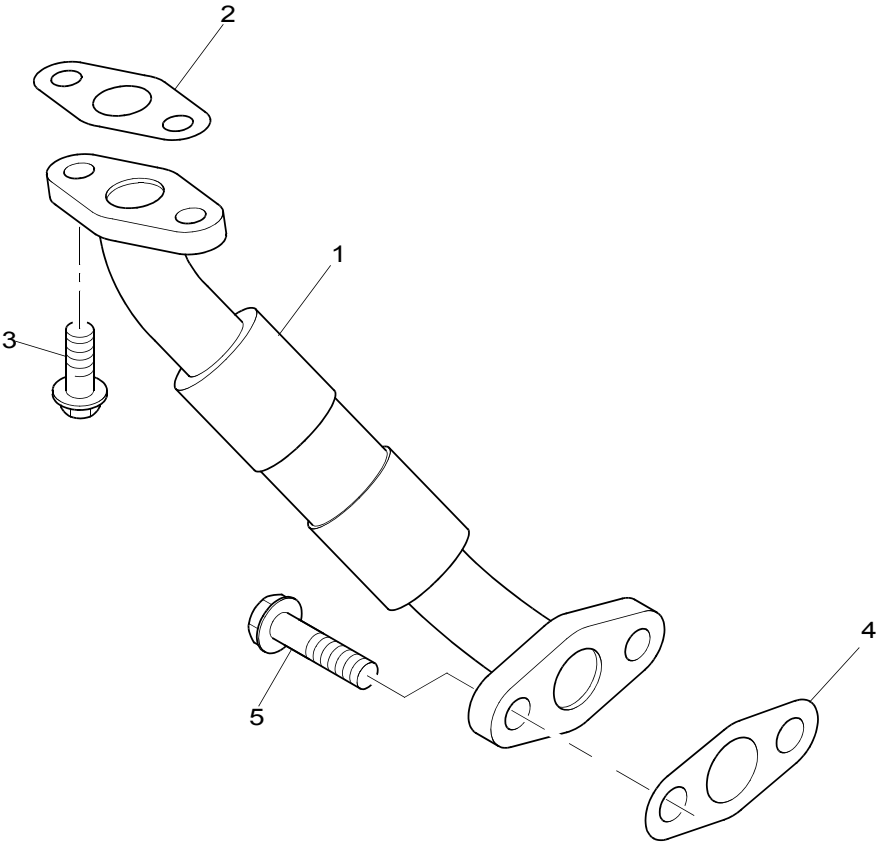
SBH01948



| | | |
|-------------------|--|-----------------|
| Feed Pipes | | Plate A |
| | | SBH01948 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|-----------------------|-------|
| 1 | 4128A028 | | 1 | PIPE - TURBO OIL FEED | |
| 2 | └─ | ⇒ 4128A028 | 1 | PIPE - TURBO OIL FEED | |
| 3 | └─ 2131A506 | | 1 | WASHER | |
| 4 | └─ 2131A506 | | 1 | WASHER | |
| 5 | └─ 3218R036 | | 1 | BANJO BOLT | |
| 6 | └─ 2131A506 | | 1 | WASHER | |
| 7 | └─ 2131A506 | | 4 | WASHER | |
| 8 | └─ 3218R036 | | 2 | BANJO BOLT | |

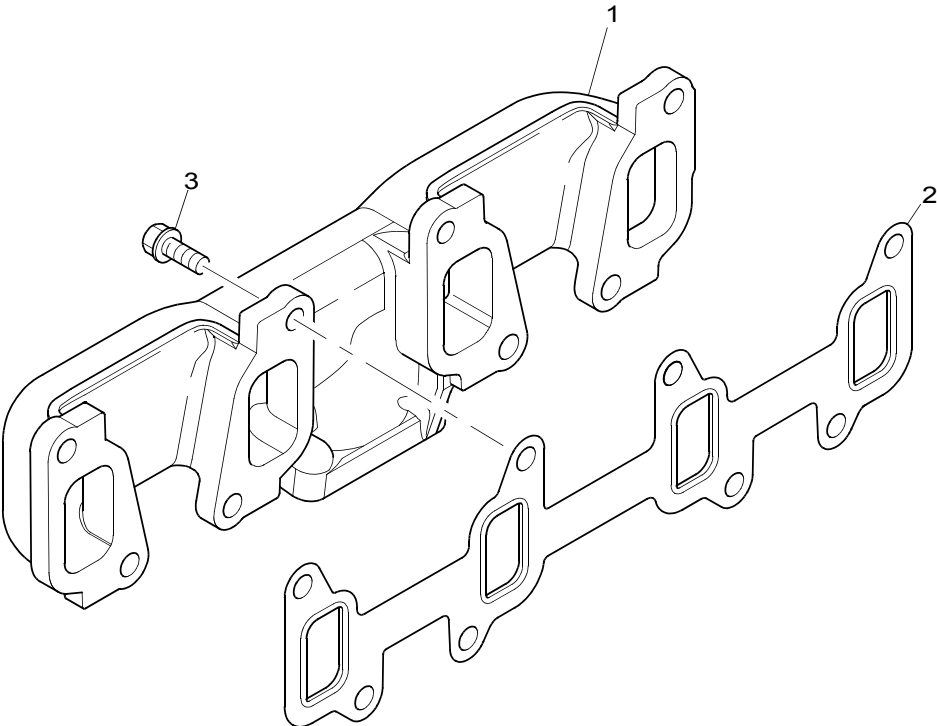
SBH01948



| | | |
|-----------------------|--|-----------------|
| Leak-Off Pipes | | Plate A |
| | | SBH01948 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|------------------------|--------------|
| 1 | 3584A002 | | 1 | PIPE - TURBO OIL DRAIN | |
| 2 | 3688A035 | | 1 | GASKET | |
| 3 | 2314F004 | | 2 | SCREW | |
| 4 | 3688A036 | | 1 | GASKET | |
| 5 | 2314H003 | | 2 | SCREW | |

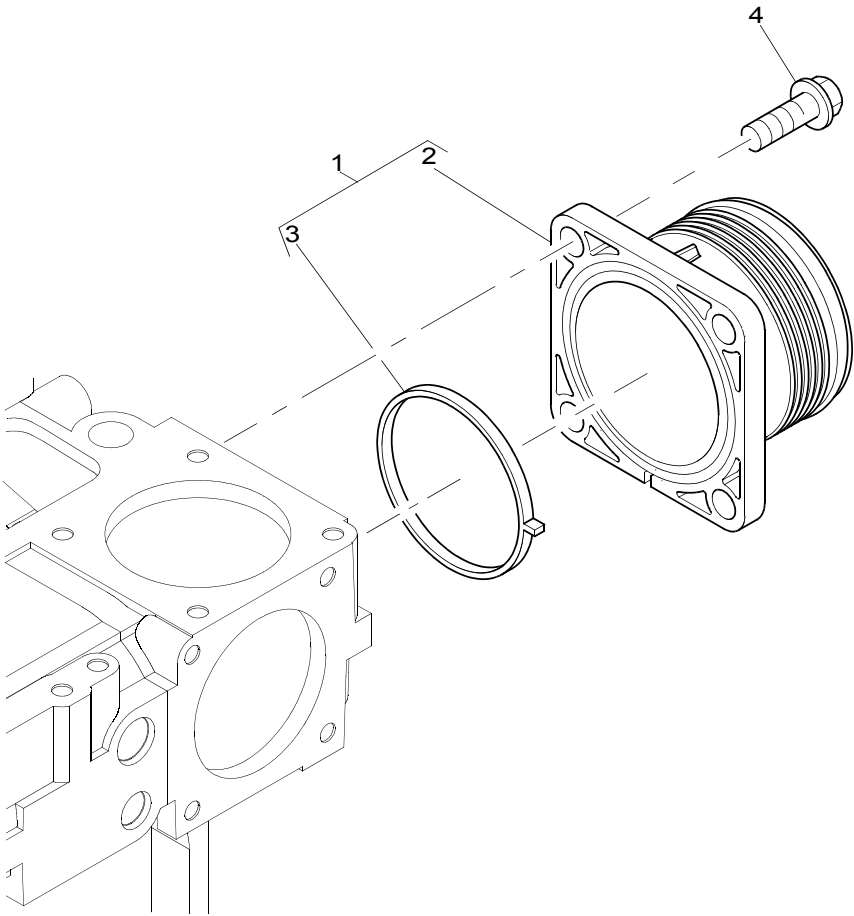
SBH01948



| | | |
|-------------------------|--|-----------------|
| Exhaust Manifold | | Plate A |
| | | SBH01948 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|---------------------------|--------------|
| 1 | 3778E213 | | 1 | EXHAUST MANIFOLD | |
| 2 | 3681V512 | | 1 | GASKET - EXHAUST MANIFOLD | |
| 3 | 3218J013 | | 8 | SCREW | |

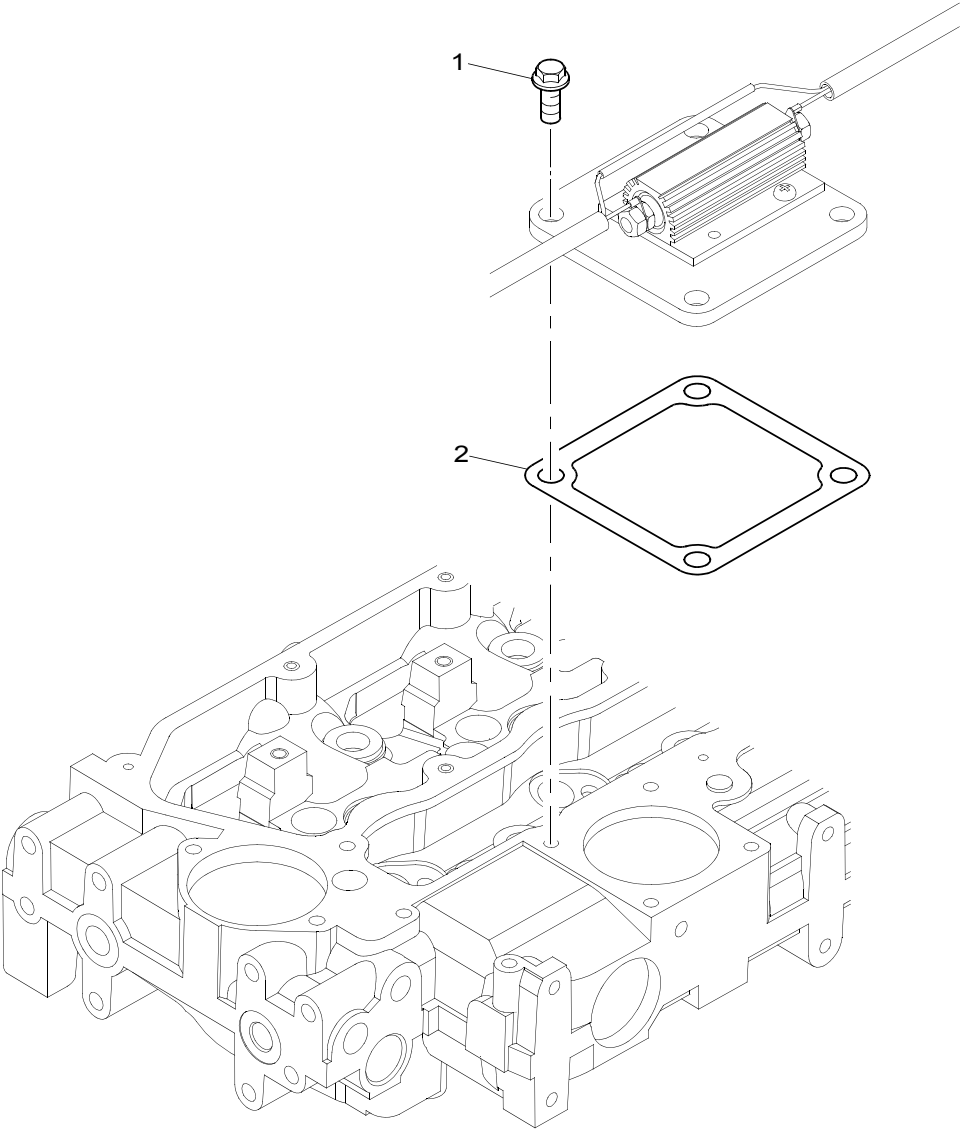
TBH01148



| | | |
|-----------------------------------|--|-----------------|
| Pipework & Connections | | Plate A |
| | | TBH01148 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|-----------------------|-------|
| 1 | 4148K007 | | 1 | CONNECTION | |
| 2 | └─ | ⇒ 4148K007 | 1 | CONNECTION | |
| 3 | └─ 3682A013 | | 1 | GASKET - IND MANIFOLD | |
| 4 | 2314H034 | | 4 | SCREW | |

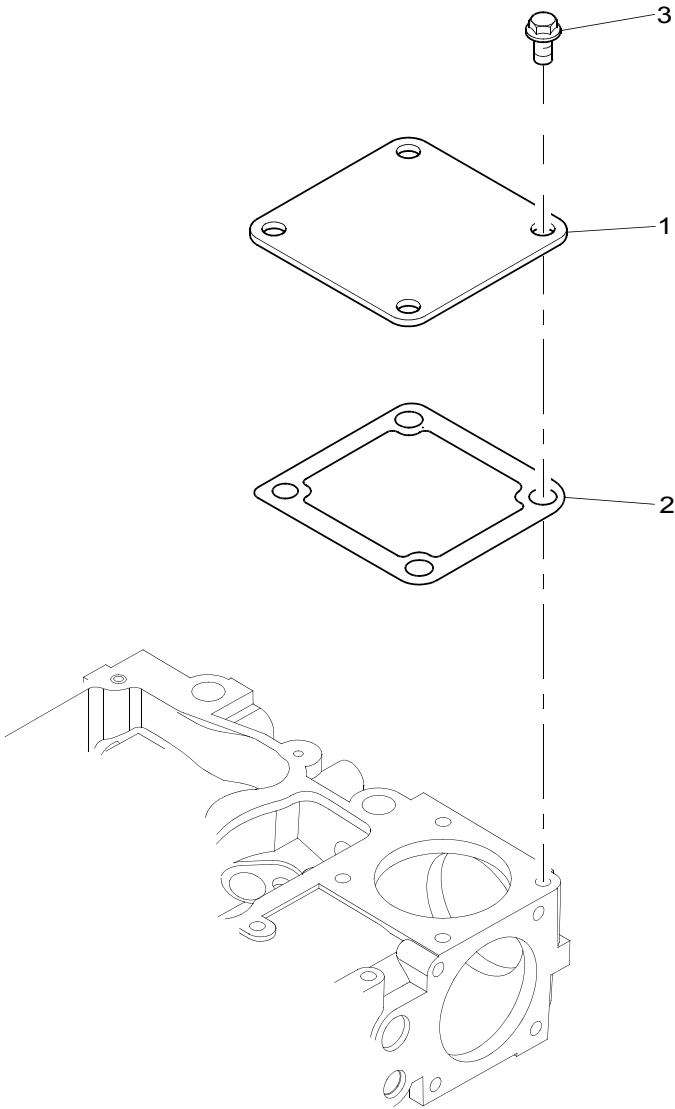
TBH01148



| | | |
|---------------------------|--|-----------------|
| Induction Manifold | | Plate A |
| | | TBH01148 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2314H003 | | 4 | SCREW | |
| 2 | 3684N503 | | 1 | GASKET | |

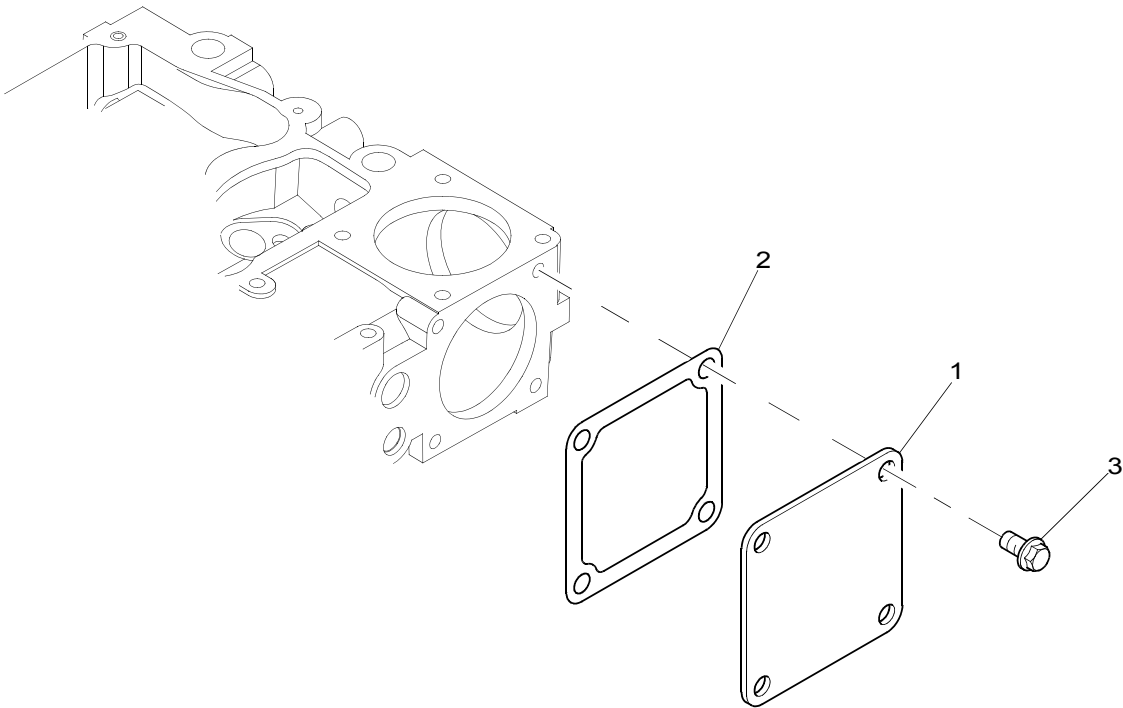
TBH01148



| | | |
|---------------------------|--|-----------------|
| Induction Manifold | | Plate B |
| | | TBH01148 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3611M009 | | 1 | PLATE | |
| 2 | 3684N503 | | 1 | GASKET | |
| 3 | 2314H032 | | 4 | SCREW | |

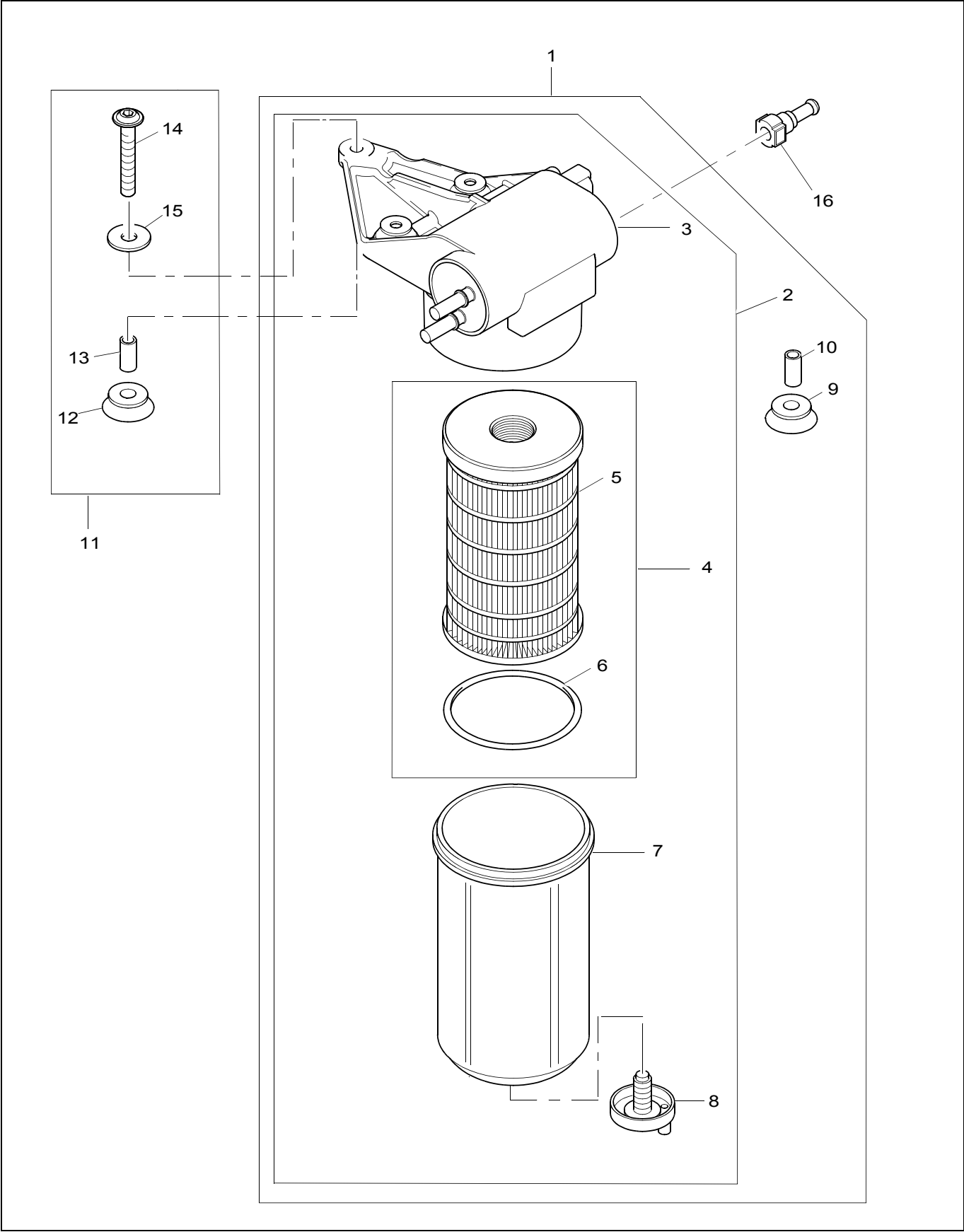
TBH01148



| | | |
|---------------------------|--|-----------------|
| Induction Manifold | | Plate C |
| | | TBH01148 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3611M009 | | 1 | PLATE | |
| 2 | 3684N503 | | 1 | GASKET | |
| 3 | 2314H032 | | 4 | SCREW | |

VBH02479

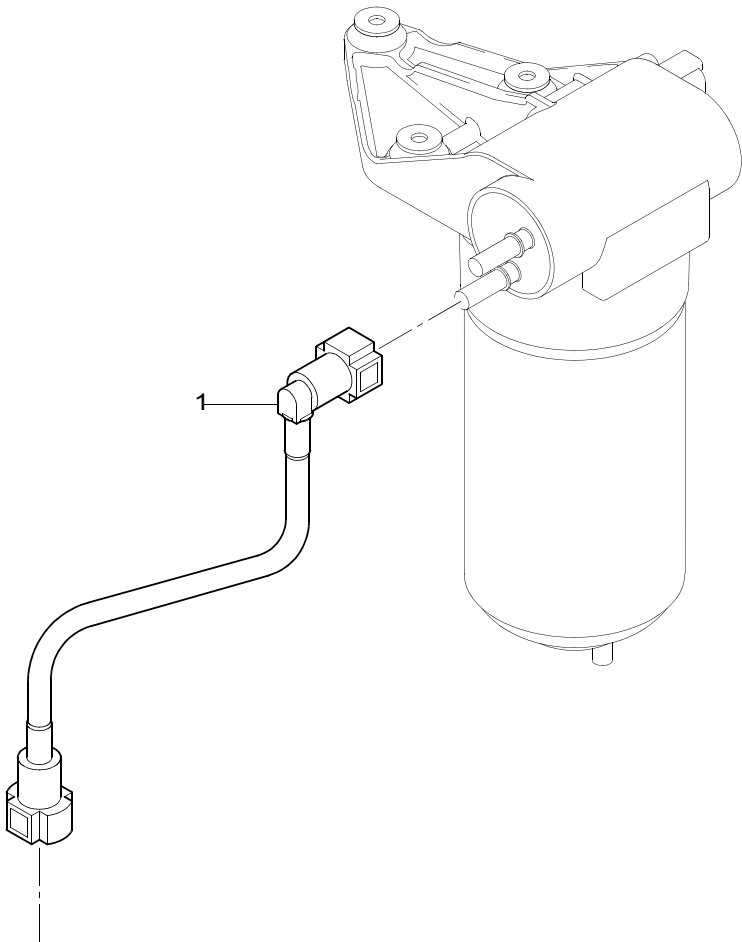


| | |
|------------------|-----------------|
| Lift Pump | Plate A |
| | VBH02479 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|----------------|------------|------|---------------------|-------|
| 1 | ULPK0038 | | 1 | LIFT PUMP KIT | |
| 2 | └─4132A018 | | 1 | LIFT PUMP | |
| 3 | └─└─ | ⇒ 4132A018 | 1 | LIFT PUMP | |
| 4 | └─└─└─26560201 | | 1 | FUEL FILTER | |
| 5 | └─└─└─└─ | ⇒ 26560201 | 1 | FUEL FILTER ELEMENT | |
| 6 | └─└─└─└─└─ | ⇒ 26560201 | 1 | O RING | |
| 7 | └─└─2656F837 | | 1 | BOWL | |
| 8 | └─└─└─2656F836 | | 1 | DRAIN PLUG | |
| 9 | └─ | | 6 | MOUNTING | (A) |
| 10 | └─ | | 3 | SPACER | (A) |
| 11 | U5MK1239 | | 1 | MOUNTING KIT | |
| 12 | └─ | ⇒ U5MK1239 | 6 | MOUNTING | |
| 13 | └─ | ⇒ U5MK1239 | 3 | SPACER | |
| 14 | └─2316T135 | | 3 | SCREW | |
| 15 | └─2131A507 | | 3 | WASHER | |
| 16 | 3763A046 | | 1 | CONNECTION | |

| Footnotes | |
|-----------|------------------------------|
| (A) | ORDER LIFT PUMP MOUNTING KIT |

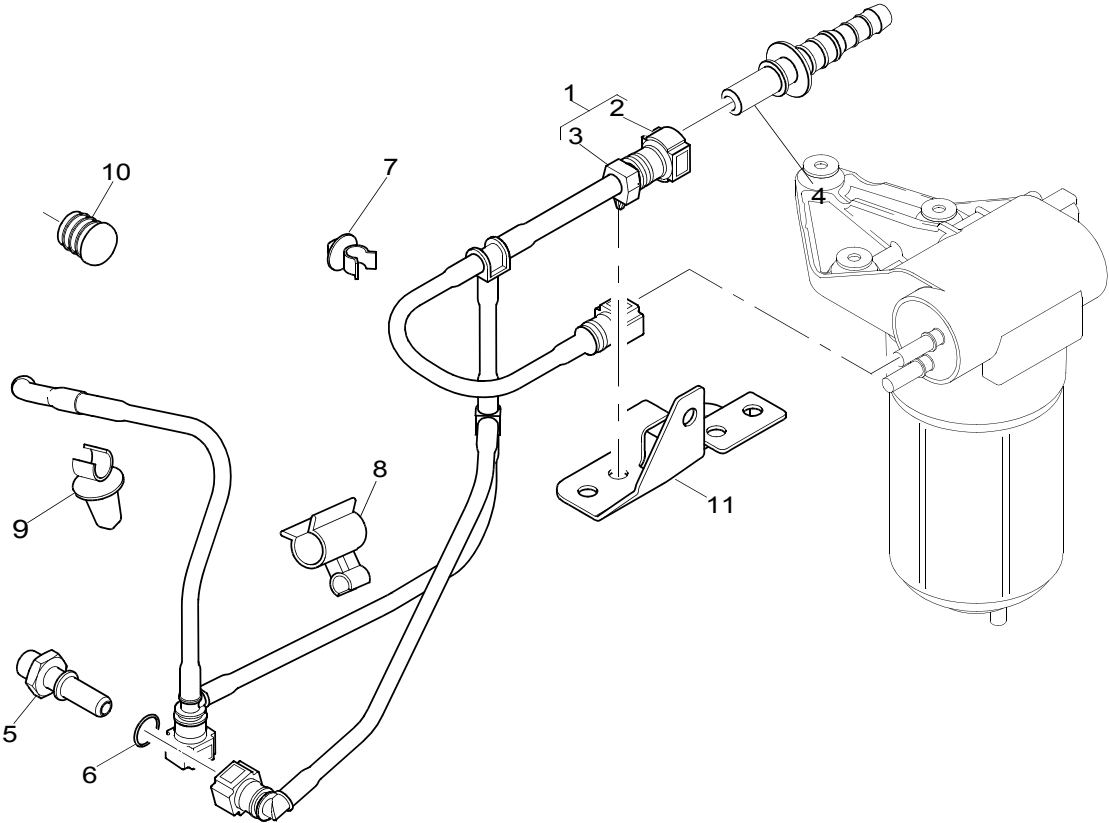
VBH02479



| | | |
|--------------------------------------|--|-----------------|
| Filter to Injection Pump Pipe | | Plate A |
| | | VBH02479 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|---------------------------|--------------|
| 1 | 2646F001 | | 1 | PIPE - FILTER TO INJ PUMP | |

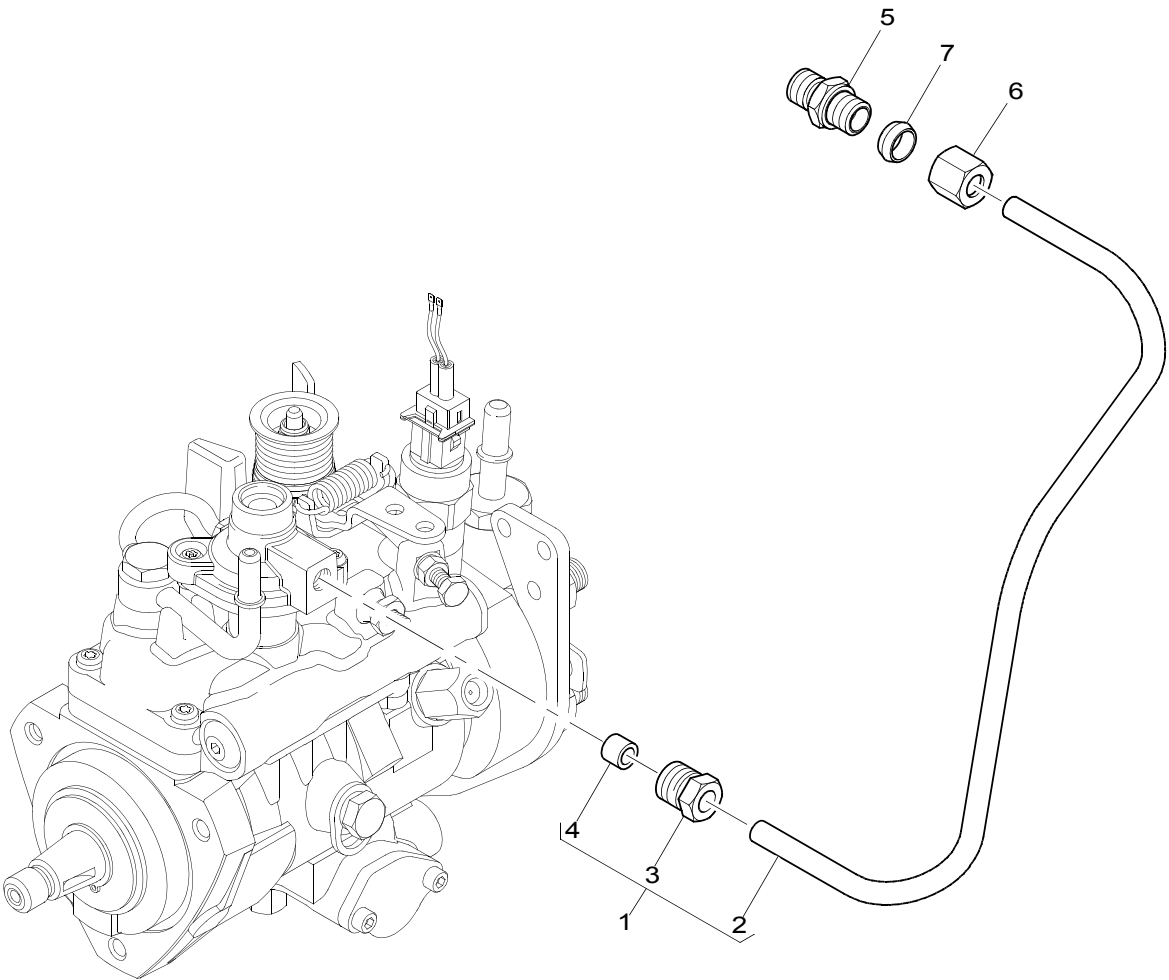
VBH02479



| | | |
|--------------------------------------|--|-----------------|
| Injection Pump to Filter Pipe | | Plate A |
| | | VBH02479 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|-------------|------------|------|---------------------------|-------|
| 1 | 4127A154 | | 1 | PIPE - INJ PUMP TO FILTER | |
| 2 | └─ 2481D657 | | 1 | PIPE - INJ PUMP TO FILTER | |
| 3 | | | 1 | CLIP | |
| 4 | 3763A045 | | 1 | CONNECTION | |
| 5 | 3346A009 | | 1 | CONNECTION | |
| 6 | 2415H009 | | 1 | SEAL - O RING | |
| 7 | 2481D456 | | 1 | CLIP | |
| 8 | 2481D406 | | 1 | PIPE CLIP | |
| 9 | 2481D559 | | 1 | PIPE CLIP | |
| 10 | 2487A401 | | 1 | PLUG | |
| 11 | 3661A091 | | 1 | BRACKET | |
| 12 | | | 1 | LIFT PUMP | |

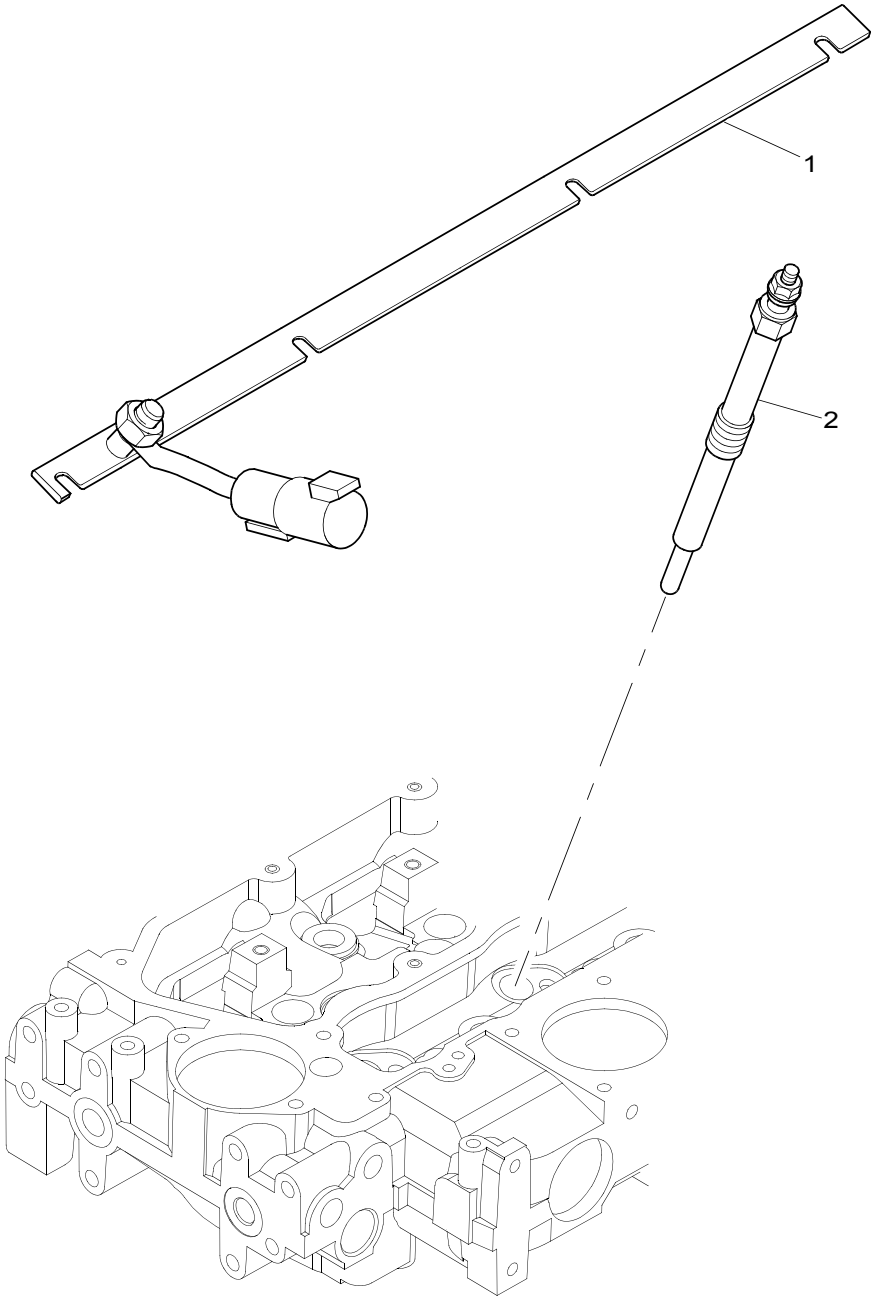
VBH02479



| | | |
|---------------------------|--|-----------------|
| Boost Control Pipe | | Plate A |
| | | VBH02479 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|------------|------------|------|--------------|-------|
| 1 | 4121A063 | | 1 | PIPE - BOOST | |
| 2 | | ⇒ 4121A063 | 1 | PIPE - BOOST | |
| 3 | | | 1 | UNION NUT | |
| 4 | └ 33811112 | | 1 | OLIVE | |
| 5 | 0206002 | | 1 | UNION | |
| 6 | 0576111 | | 1 | NUT | |
| 7 | 0566002 | | 1 | OLIVE | |

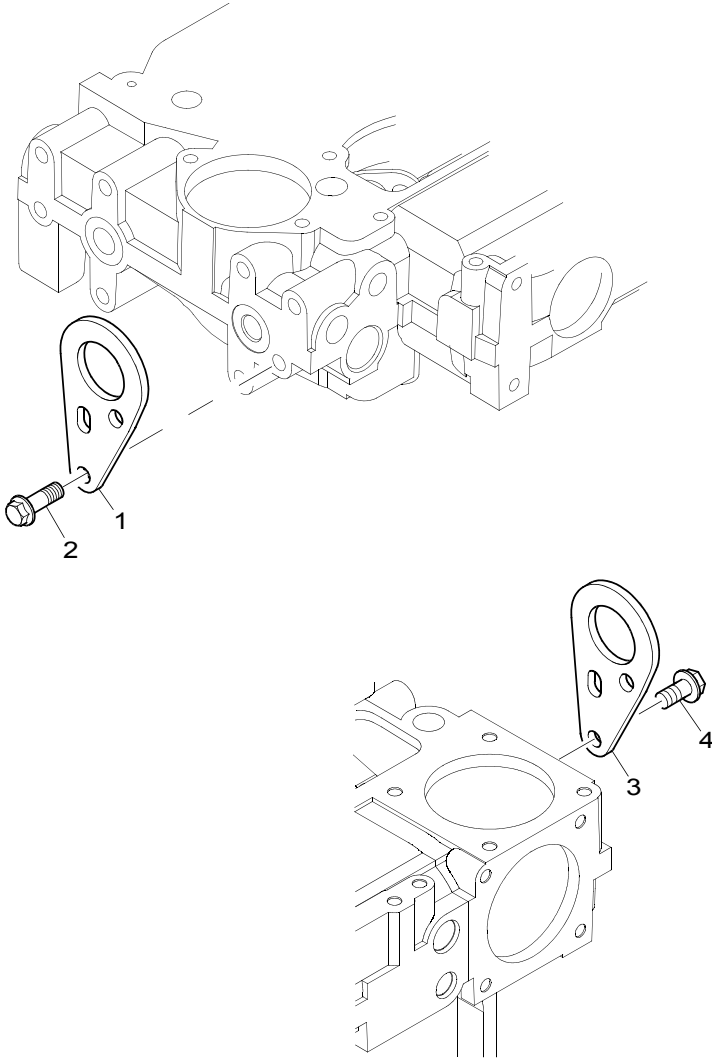
WDH00381



| | | |
|---------------------|--|-----------------|
| Heater Plugs | | Plate A |
| | | WDH00381 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3161C054 | | 1 | BAR | |
| 2 | 2666A017 | | 4 | GLOWPLUG | |

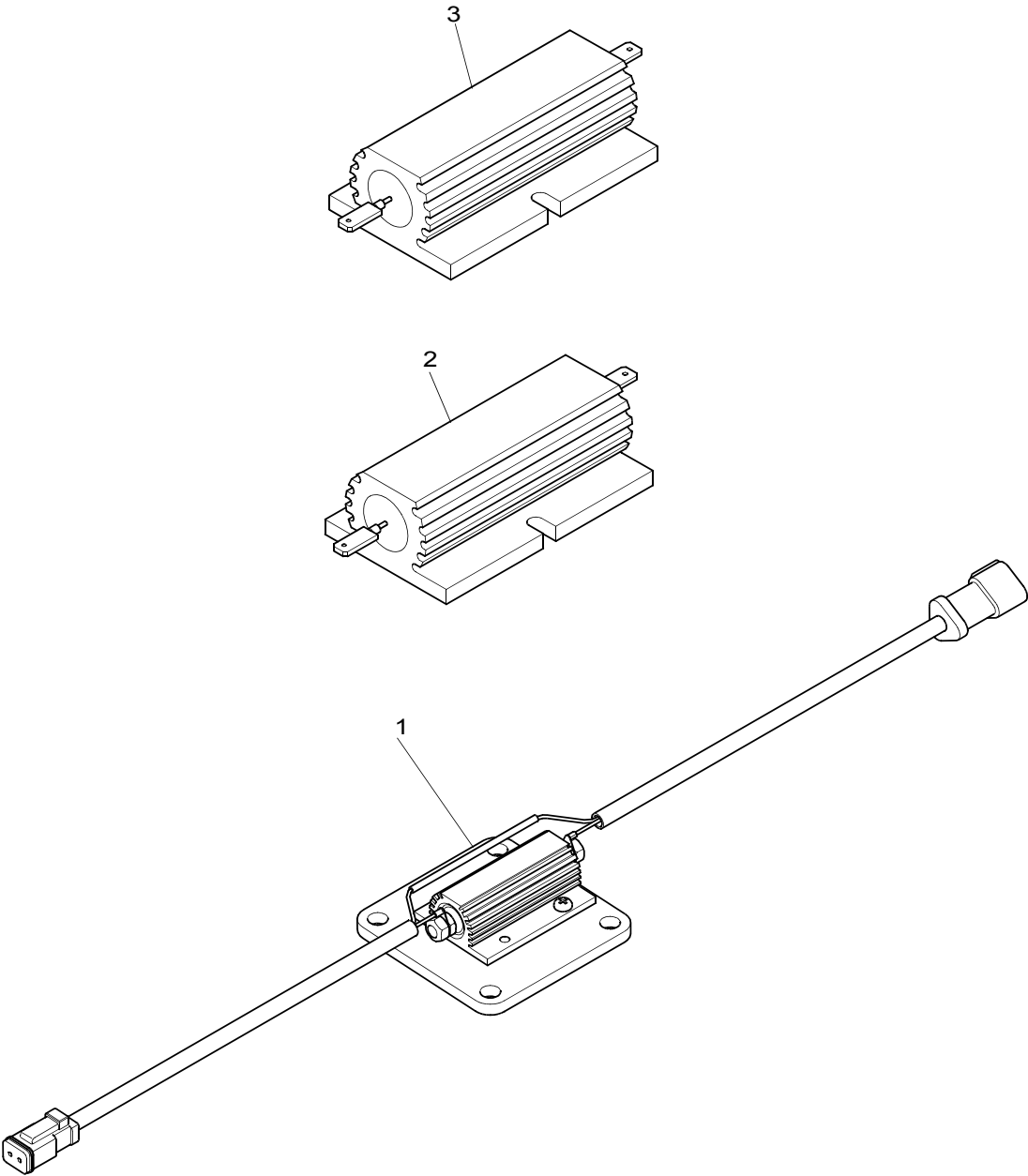
XBH00475



| | | |
|----------------------------|--|-----------------|
| Engine Lifting Eyes | | Plate A |
| | | XBH00475 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3617A015 | | 1 | LIFTING BRACKET | |
| 2 | 2314J002 | | 2 | SCREW | |
| 3 | 3617A015 | | 1 | LIFTING BRACKET | |
| 4 | 2314J002 | | 2 | SCREW | |

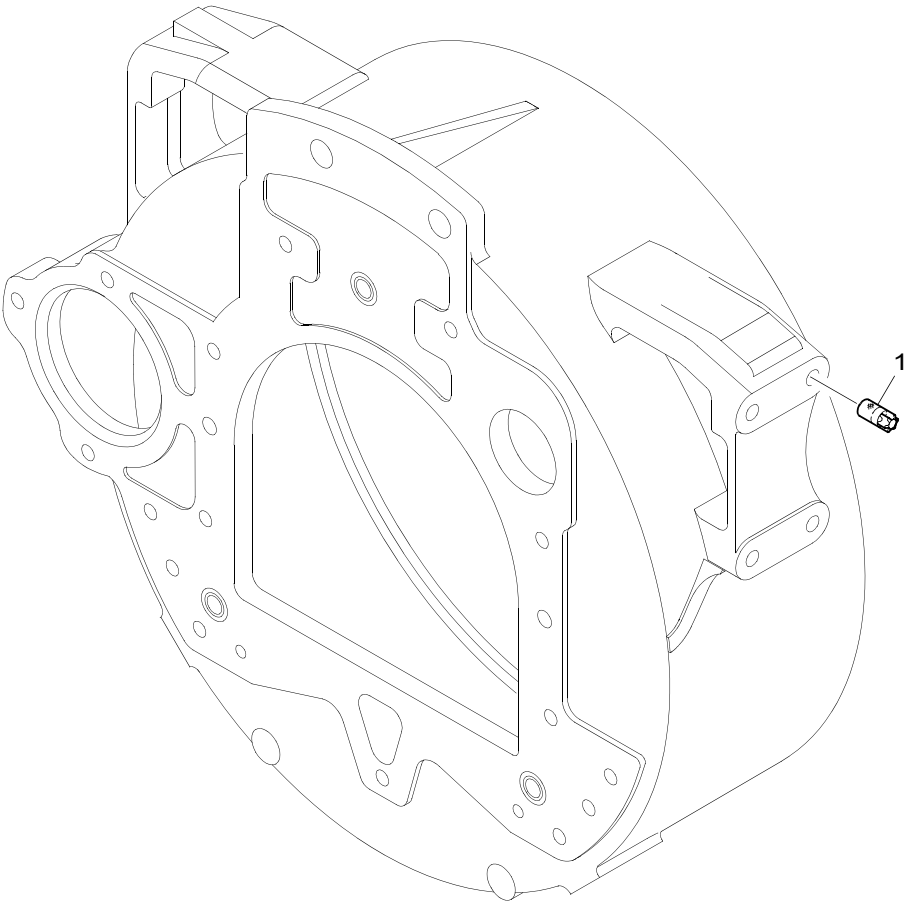
ZAH00719



| | | |
|-------------------------------------|--|-----------------|
| Throttle & Stop Controls | | Plate A |
| | | ZAH00719 |

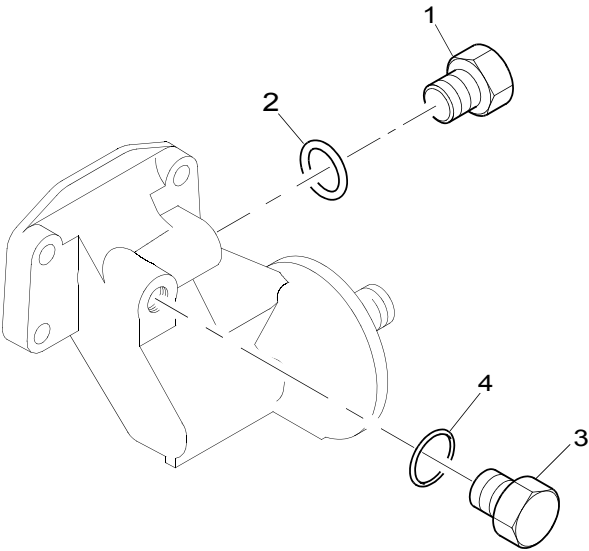
| Item | Part No. | References | Qty. | Description | Notes |
|------------------|-------------------------|-------------------|-------------|--------------------|--------------|
| 1 | 4172H021 | | 1 | RESISTOR | |
| 2 | 2861A009 | | 1 | RESISTOR | (A) |
| 3 | 2861A009 | | 1 | RESISTOR | (B) |
| Footnotes | | | | | |
| (A) | COLD START ADVANCE | | | | |
| (B) | FUEL PUMP STOP SOLENOID | | | | |

ZCH01237



| | | | | | |
|--------------------------------|----------|------------|----------|-------------|---------|
| Engine Mounts - Blanking Plugs | | | | | Plate A |
| | | | ZCH01237 | | |
| Item | Part No. | References | Qty. | Description | Notes |
| 1 | 3212V004 | | 4 | PLUG | |

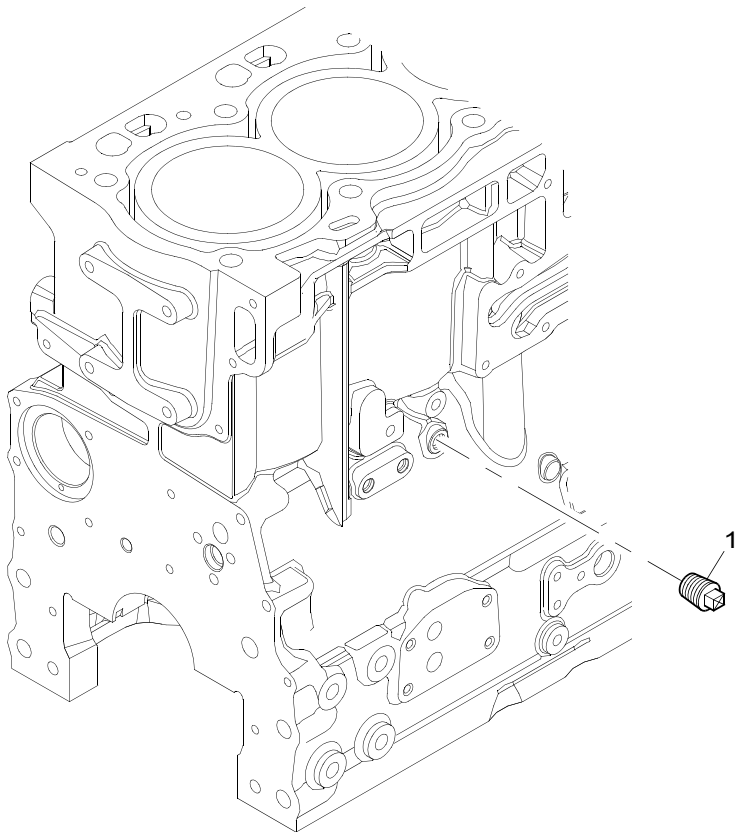
ZJH00575



| | | |
|----------------------------------------------|--|-----------------|
| Lubricating Oil Pressure Switch/Gauge | | Plate A |
| | | ZJH00575 |

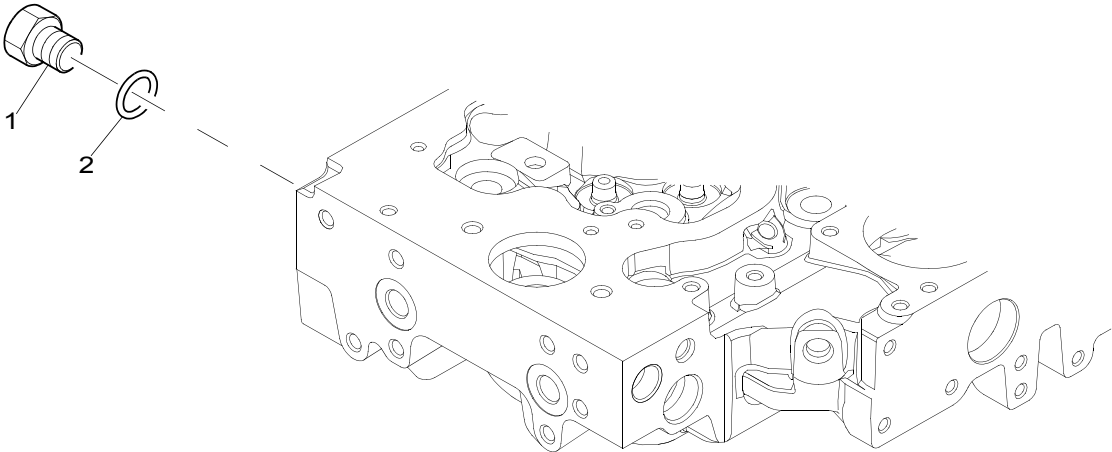
| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3278A004 | | 1 | PLUG | |
| 2 | 2415H002 | | 1 | SEAL - O RING | |
| 3 | 3278A007 | | 1 | PLUG | |
| 4 | 2415H009 | | 1 | SEAL - O RING | |

ZJH00575



| Lubricating Oil Pressure Switch/Gauge | | | | | Plate B |
|---------------------------------------|----------|------------|----------|-------------|---------|
| | | | ZJH00575 | | |
| Item | Part No. | References | Qty. | Description | Notes |
| 1 | 0650594 | | 1 | PLUG | |

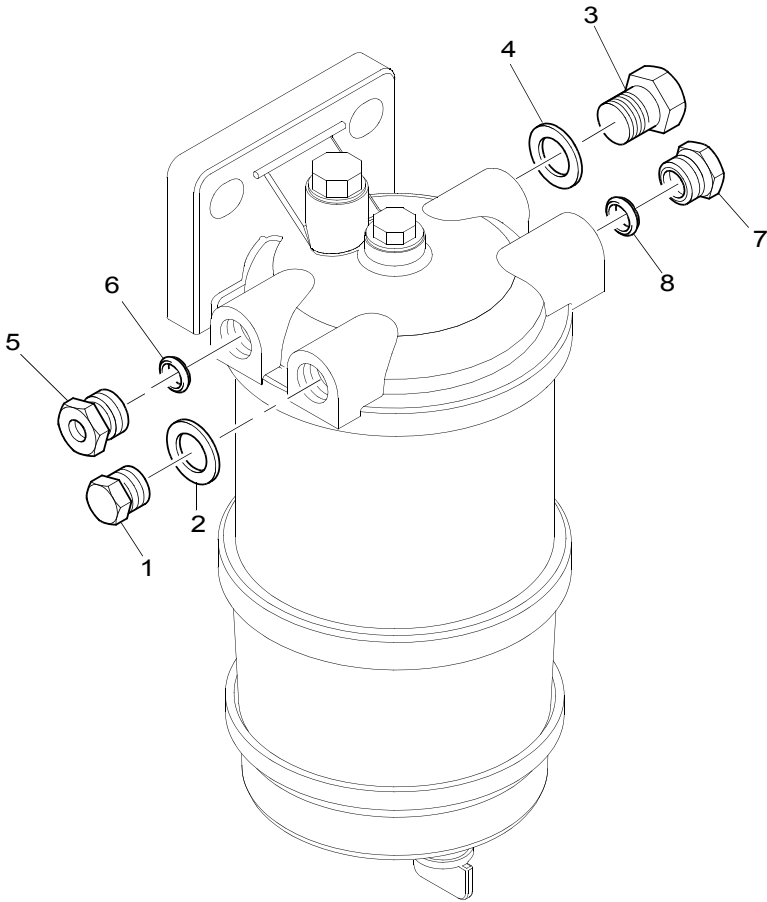
ZLH00371



| | | |
|---------------------------------------|--|-----------------|
| Temperature Gauge & Sender | | Plate A |
| | | ZLH00371 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3278A006 | | 1 | PLUG | |
| 2 | 2415H003 | | 1 | SEAL - SENSOR | |

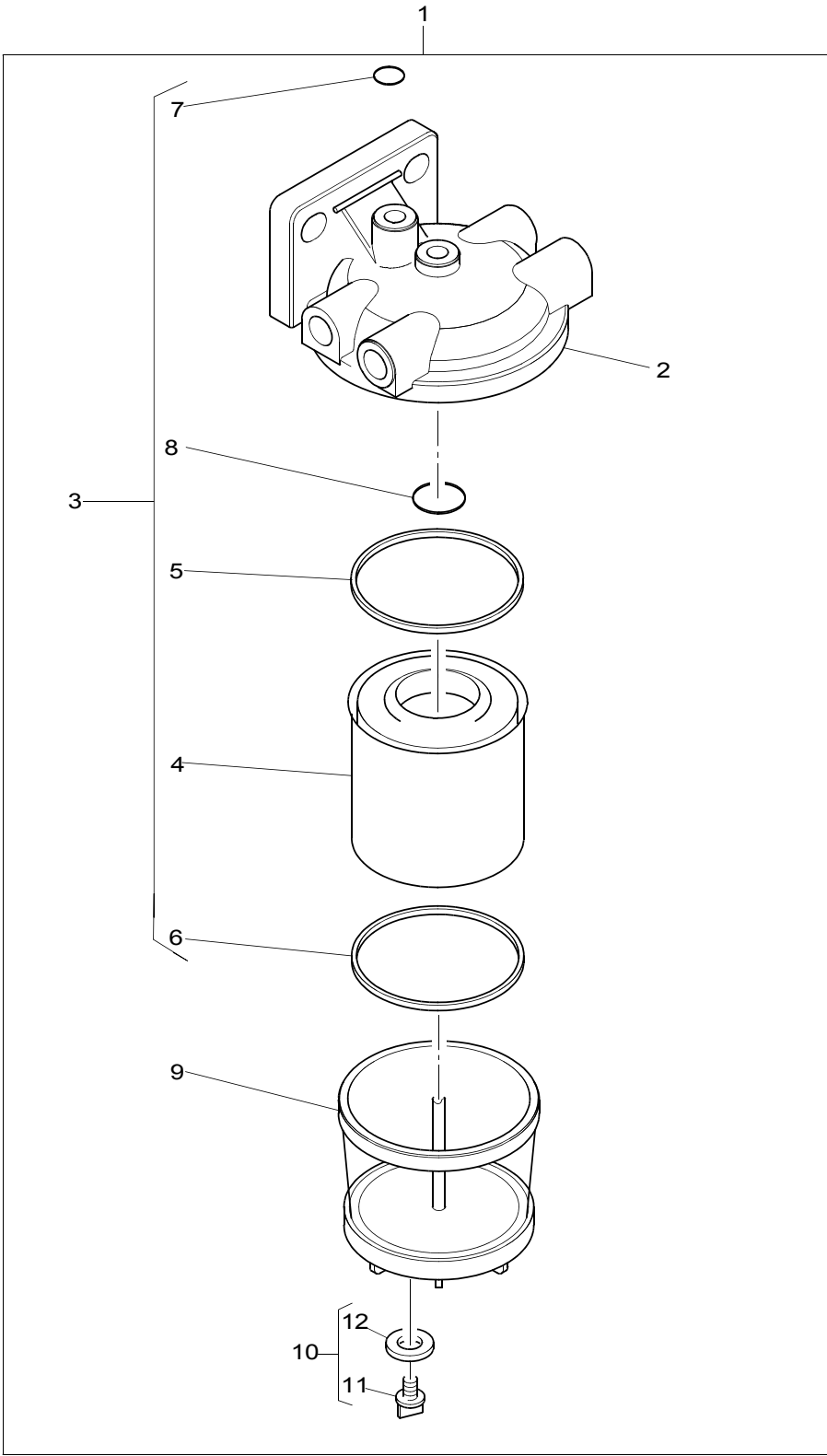
ZVH01069



| | | |
|---------------------------|--|-----------------|
| Fuel Pre-Lift Pump | | Plate A |
| | | ZVH01069 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 0650204 | | 1 | PLUG | |
| 2 | 2411D013 | | 1 | WASHER | |
| 3 | 0650204 | | 1 | PLUG | |
| 4 | 2411D013 | | 1 | WASHER | |
| 5 | 33532129 | | 1 | NUT | |
| 6 | 0566004 | | 1 | OLIVE | |
| 7 | 33532129 | | 1 | NUT | |
| 8 | 0566004 | | 1 | OLIVE | |

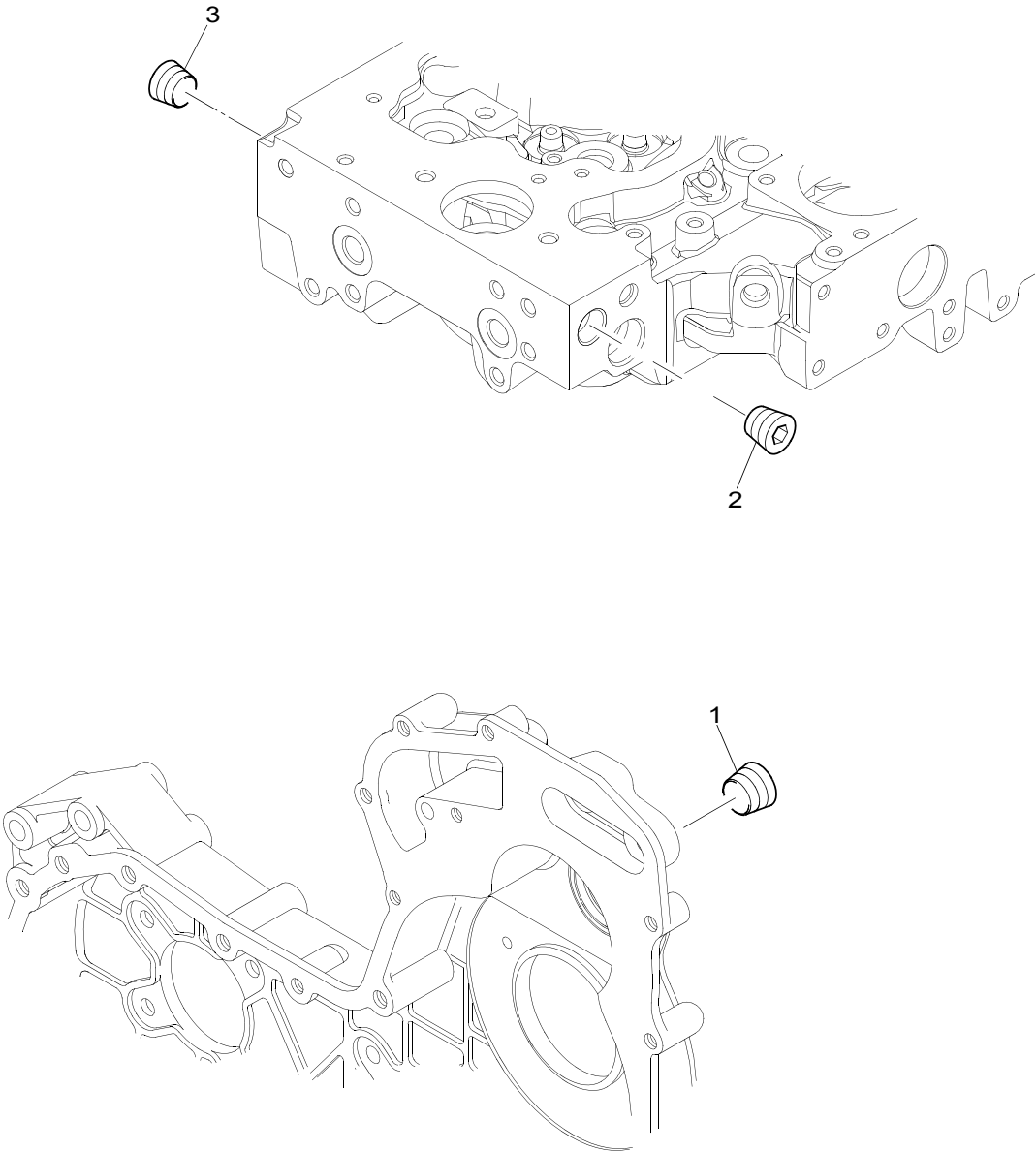
ZVH01069



| | | |
|-------------------|--|-----------------|
| Water Trap | | Plate A |
| | | ZVH01069 |

| Item | Part No. | References | Qty. | Description | Notes |
|------|---------------|------------|------|----------------------|-------|
| 1 | 2656F823 | | 1 | PRE-FUEL FILTER ASSY | |
| 2 | └─ | ⇒ 2656F823 | 1 | FUEL FILTER HEAD | |
| 3 | └─ 26550005 | | 1 | PRE-FUEL FILTER KIT | |
| 4 | └─┬─ | ⇒ 26550005 | 1 | ELEMENT | |
| 5 | └─┬─ | ⇒ 26550005 | 2 | O RING | |
| 6 | └─┬─ | ⇒ 26550005 | 1 | O RING | |
| 7 | └─┬─ | ⇒ 26550005 | 1 | O RING | |
| 8 | └─┬─ | ⇒ 26550005 | 1 | O RING | |
| 9 | └─ 26560181 | | 1 | FUEL FILTER BOWL | |
| 10 | └─ 26560614 | | 1 | PLUG | |
| 11 | └─┬─ | ⇒ 26560614 | 1 | PLUG | |
| 12 | └─┬─ 26431192 | | 1 | WASHER | |

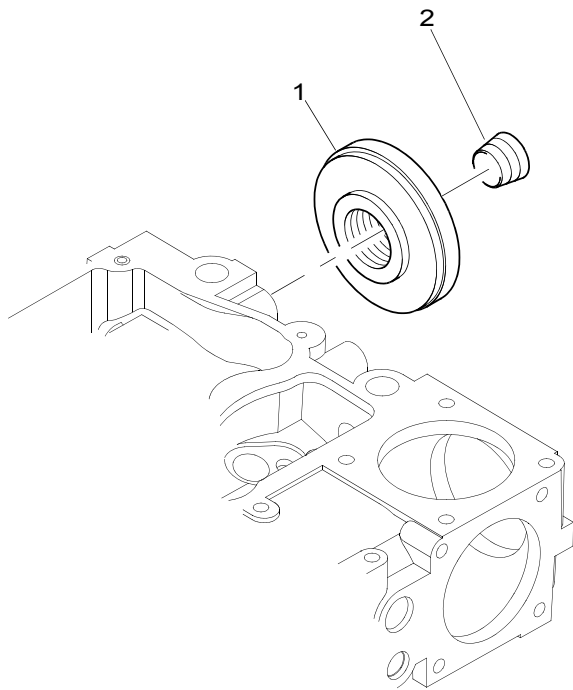
ZZH01067



| | | |
|----------------------------------------|--|-----------------|
| Miscellaneous & Auxiliaries | | Plate A |
| | | ZZH01067 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 2431154 | | 1 | PLUG | |
| 2 | 2431154 | | 1 | PLUG | |
| 3 | 2431154 | | 1 | PLUG | |

ZZH01067



| | | |
|----------------------------------------|--|-----------------|
| Miscellaneous & Auxiliaries | | Plate B |
| | | ZZH01067 |

| Item | Part No. | References | Qty. | Description | Notes |
|-------------|-----------------|-------------------|-------------|--------------------|--------------|
| 1 | 3342A701 | | 1 | CONNECTION | |
| 2 | 2431154 | | 1 | PLUG | |

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